Öruggt Net ehf

Product Catalog

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Öruggt Net ehf

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Introduction

Thank you for requesting our catalog. Please note that all our products are of the highest quality. Each and every product undergoes intensive testing by us and we only carry those product that pass our testing and are something we use ourself.
We do not require any minimum order and process order both on our website and via email (both can be found on the cover page). Please note though that webshop prices are significantly lower than the prices in this catalog.
All prices are in ISK and include icelandic VAT. All domestic orders (delivery point is in Iceland) are delivered via Dropp within 72 hours of receiving the order, excluding weekends and holidays. All orders for delivery outside of Iceland are shipped via DHL and we will strive to get your order to DHL within two business day.
For all orders regardless of destination the cost of shipping, handling and delivery is added to invoice.
All orders must be prepaid in full before the order is considered received. In order to qualify for a line of credit with us, you need to be well known to us and have an Icelandic Tax ID. All others must supply a security deposit in order to be granted a credit line. Any exception to this policy must be approved by finance, legal and CEO. Only the CEO is allowed to negotiate any exceptions to this and will handle obtaining approvals as needed.
For security reasons, no orders received from a gmail.com email address will be accepted. Any attempts to direct the conversation to WhatsApp or Telegram will get you blocked as a scammer.
For orders of significant size, sizeable discounts can be negotiated.

USB 3.0 Type-A Male to Male Cable — SuperSpeed 5Gbps

SKU: usb3a-a
Type: variable
Categories: Cables

Option: 2m **SKU:** usb3a-a2 **Price:** 3,216 kr
Option: 3m **SKU:** usb3a-a3 **Price:** 4,022 kr
Option: 1m **SKU:** usb3a-a1 **Price:** 2,410 kr

USB 3.0 A Male to A Male Cable

Connect two USB-A devices directly with this high-speed USB 3.0 A Male to A Male cable. Built for fast data transfer and reliable performance, this cable is ideal for connecting compatible devices such as laptops, desktop computers, USB hubs, and select hard drives that require a direct host-to-host or device-to-device connection.

Key Benefits

• SuperSpeed USB 3.0 data transfer rates up to 5 Gbps — 10x faster than USB 2.0
• Backward compatible with USB 2.0 and USB 1.1 devices
• Durable construction designed for repeated daily use
• Gold-plated connectors resist corrosion and ensure a stable, low-resistance connection
• Shielded cable reduces interference for consistent signal quality
• Plug-and-play — no drivers or software required
• Suitable for data sync, PC-to-PC file transfer, and USB hub connections

Technical Specifications

Attribute	Value
Connector Type A	USB 3.0 Type-A Male
Connector Type B	USB 3.0 Type-A Male
USB Standard	USB 3.0 (SuperSpeed)
Data Transfer Speed	Up to 5 Gbps
Backward Compatibility	USB 2.0, USB 1.1
Connector Plating	Gold-plated contacts
Shielding	Yes — foil and braid shielding
Plug and Play	Yes — no drivers required

Please note: USB Type-A Male to Type-A Male cables are intended for specific use cases. They are not standard USB charging cables and are not compatible with all devices. Verify your device supports this connector configuration before purchasing.

USB 3.0 A Male to Micro B Male SuperSpeed Cable 5Gbps

SKU: usb3a-mb
Type: variable
Categories: Cables

Option: 3m **SKU:** usb3a-mb3 **Price:** 4,022 kr

Option: 30cm **SKU:** usb3a-mb30c **Price:** 880 kr
Option: 4.5m **SKU:** usb3a-mb4 **Price:** 4,828 kr

USB 3.0 A Male to Micro B Male Cable

Transfer data at SuperSpeed USB 3.0 rates with this reliable A Male to Micro B Male cable. Built for external hard drives, cameras, and other USB 3.0 Micro B devices, this cable delivers fast, stable connectivity backed by the USB 3.0 specification.

• SuperSpeed data transfer up to 5 Gbps
• Backward compatible with USB 2.0 and USB 1.1 devices
• Suitable for external HDDs, SSDs, digital cameras, and smartphones
• Durable connectors with secure fit to reduce accidental disconnections
• Supports simultaneous read and write operations
• Shielded cable reduces electromagnetic interference for stable transfers

Technical Specifications

Attribute	Value
USB Standard	USB 3.0 (SuperSpeed)
Connector A	USB Type-A Male
Connector B	Micro USB 3.0 Type-B Male
Max Data Transfer Rate	5 Gbps
Backward Compatibility	USB 2.0, USB 1.1
Shielding	Yes

USB 3.0 A Male to B Male Cable for Printers and Drives

SKU: usb3a-b
Type: variable
Categories: Cables

Option: 1.8m **SKU:** usb3a-b2 **Price:** 3,216 kr
Option: 3m **SKU:** usb3a-b3 **Price:** 4,022 kr

USB 3.0 A Male to B Male Cable

Connect your USB 3.0-compatible devices with fast, reliable data transfer using this A Male to B Male cable. Designed for printers, scanners, external hard drives, and other peripheral devices that use the standard USB Type-B port, this cable delivers SuperSpeed USB 3.0 performance in a durable, everyday connector.

• SuperSpeed USB 3.0 data transfer rates up to 5 Gbps
• Backward compatible with USB 2.0 and USB 1.1 devices
• USB Type-A male connector on one end, USB Type-B male on the other
• Suitable for printers, scanners, audio interfaces, and external storage drives
• Shielded cable construction reduces interference for stable connections
• Plug-and-play, no drivers required

Technical Specifications

Attribute	Value
Connector Type A	USB 3.0 Type-A Male
Connector Type B	USB 3.0 Type-B Male
USB Standard	USB 3.0 (SuperSpeed)
Maximum Data Transfer Rate	5 Gbps
Backward Compatibility	USB 2.0, USB 1.1
Shielding	Yes
Plug and Play	Yes

Hidden Camera RF Signal Detector Anti-Spy Bug Finder

SKU: AHSC-25
Type: simple
Categories: Gift Ideas, Security Products

Price: 8,052 kr

RF Signal Detector for Hidden Cameras, Bugs, and GPS Trackers

Protect your privacy in hotel rooms, Airbnb rentals, offices, and changing rooms with this portable RF signal detector. This device identifies the radio frequency emissions produced by wireless spy cameras, audio bugs, and GPS tracking devices, giving you a fast and reliable way to sweep any space before settling in.

How It Works

Most covert surveillance devices transmit data wirelessly. This detector picks up those transmissions across a wide frequency range, alerting you with both visual LED indicators and audible tones. The closer you move toward the source, the stronger the signal response, allowing you to pinpoint the exact location of any suspicious device.

Key Benefits

• Detects hidden cameras, audio bugs, and GPS trackers in seconds
• Wide frequency range covers the majority of commercially available spy devices
• Dual alert system with LED lights and audible beeps for easy identification
• Compact, lightweight design fits easily in a bag or pocket
• No professional training required — straightforward one-button operation
• Suitable for home, travel, business meetings, and vehicle sweeps
• Rechargeable battery for repeated use without ongoing costs

Technical Specifications

Attribute	Value
Detection Frequency Range	1 MHz – 6.5 GHz
Detection Types	RF wireless cameras, GPS trackers, audio bugs, wireless transmitters
Alert Method	LED indicator lights and audible beep tones
Operating Modes	RF signal detection, magnetic field detection
Power Source	Built-in rechargeable battery
Charging Interface	USB
Sensitivity Adjustment	Yes, variable sensitivity control
Form Factor	Handheld, pocket-sized
Indicator Display	Multi-level LED bar

Who Should Use This Device

This RF detector is practical for frequent travelers who stay in short-term rentals, business professionals concerned about corporate espionage, and anyone who values personal privacy. It requires no technical expertise — simply power it on, adjust the sensitivity, and slowly sweep the room. The signal strength indicator responds in real time, making it straightforward to locate any transmitting device.

What This Detector Will and Will Not Find

This device is effective against any actively transmitting wireless device. It will detect Wi-Fi cameras, cellular-connected trackers, Bluetooth bugs, and RF audio transmitters. Note that it will not detect wired cameras or devices that are powered off and not currently transmitting. For the most thorough sweep, combine RF detection with the built-in magnetic sensor to identify concealed magnetic mounts commonly used with hidden cameras and trackers.

MikroTik MikroTik LAMP 5G R16 Outdoor Router

SKU: LAMPGM&RG520F-EU;
Type: simple
Categories: 5G, LTE, MikroTik Products, New in Store, Outdoor

Price: 96,712 kr

MikroTik LAMP 5G R16 Outdoor 5G Router with Integrated LTE and PoE

The MikroTik LAMP 5G R16 is a high-performance outdoor 5G router designed for reliable wireless connectivity in demanding environments. Built around the Quectel RG520F-EU modem, this unit delivers Sub-6GHz 5G speeds alongside LTE fallback, making it suitable for fixed wireless access, remote site connectivity, and industrial IoT deployments.

• Integrated Quectel RG520F-EU 5G modem supporting Sub-6GHz bands
• Multiple eSIM profiles & MikroTik Connectivity
• LTE Cat-20 fallback for continuous connectivity in areas with partial 5G coverage

• Cutting-edge omnidirectional antennas
• Weatherproof outdoor enclosure rated for harsh environments
• EN 60945 maritime compliant
• Powered via passive PoE for simplified cable management and flexible mounting
• RouterOS v7 provides advanced routing, firewall, and VPN capabilities
• A SIM card slot for carrier redundancy and failover
• Compact form factor suitable for pole or wall mounting
• Low latency 5G connectivity supports voice, video, and real-time applications
• Compatible with MikroTik WinBox and WebFig management interfaces

Technical Specifications

Attribute	Value
SKU	LAMPGM&RG520F-EU;
Architecture	ARM 65-bit
CPU	88F3720
CPU core count	2
CPU nominal frequency	800 MHz
CPU Threads count	2
RouterOS license	3
Operating System	RouterOS v7
Size of RAM	512 MB
Storage size	32 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
Number of DC inputs	1 (PoE-IN)
Max power consumption	10 W
Max power consumption without attachments	10 W
PoE in	802.3af/at
Cooling type	Passive
PoE in input Voltage	12-56 V
5G Modem	Quectel RG520F-EU
5G NSA FDD bands	1 (2100 MHz), 3 (1800 MHz), 5 (850 MHz), 7 (2600 MHz), 8 (900 MHz), 20 (800 MHz), 28 (700 MHz)
5G NSA TDD bands	38 (2600 MHz), 40 (2300 MHz), 41 (2500 MHz), 75 (1500 MHz), 76 (1500 MHz), 77 (3700 MHz), 78 (3500 MHz)
TAC	86945405
3G Category	R8 (DL: 42.2 Mbps; UL: 5.76 Mbps)
3G bands	1 (2100 MHz), 5 (850 MHz), 8 (900 MHz)

LTE Category	20 (DL: 2.0 Gbps; UL: 200 Mbps)
MIMO DL	4x4
MIMO UL	2x2
LTE FDD bands	1 (2100 MHz), 3 (1800 MHz), 5 (850 MHz), 7 (2600 MHz), 8 (900 MHz), 20 (800 MHz), 28 (700 MHz), 32 (1500 MHz)
LTE TDD bands	38 (2600 MHz), 40 (2300 MHz), 41 (2500 MHz), 42 (3500 MHz), 43 (3700 MHz)
SIM Slots	1 Micro SIM
Operating System	RouterOS v7
Power Input	Passive PoE
Enclosure	Outdoor weatherproof, IP 67, EN 60945 maritime compliant
Mounting	Pole or wall mount
Region	EU (European frequency bands)

The LAMP 5G R16 suits network administrators and IT professionals who need a dependable outdoor 5G gateway without complex cabling. RouterOS v7 support ensures access to enterprise-grade routing features including BGP, OSPF, and robust firewall rules straight out of the box.

Download brochure here

MikroTik MikroTik hAP be lite WiFi 7 Dual-Band Router A42G-HbeP

SKU: A42G-HbeP
Type: simple
Categories: Home AP, MikroTik Products, New in Store

Price: 24,172 kr

MikroTik hAP be lite (A42G-HbeP) WiFi 7 Home Access Point

The MikroTik hAP be lite is a compact, affordable WiFi 7 (802.11be) home access point designed to deliver next-generation wireless performance without the enterprise price tag. Supporting the 2.4 GHz and 5 GHz bands, this dual-band router brings Multi-Link Operation (MLO) and improved spectral efficiency to everyday home networking.

• WiFi 7 (802.11be) standard for faster speeds and lower latency
• Dual-band operation on 2.4 GHz and 5 GHz simultaneously
• Multi-Link Operation (MLO) for improved reliability and throughput
• Compact desktop form factor suitable for home and small office use
• RouterOS v7 powered with full firewall, routing, and management features
• Gigabit Ethernet ports for wired device connectivity
• PoE input support for flexible cable-free installation options
• Low power consumption for always-on home networking
• Built-in web interface (WebFig) and Winbox management support
• MikroTik's proven RouterOS stability and long-term firmware support

Technical Specifications

Attribute	Value
SKU	A42G-HbeP
WiFi Standard	802.11be (WiFi 7)
Frequency Bands	2.4 GHz, 5 GHz (Dual-Band)
Max Wireless Speed	Up to 688 Mbps (2.4 GHz) + 2882 Mbps (5 GHz)
Ethernet Ports	3 x Gigabit Ethernet (1 WAN + 2 LAN)
PoE Input	Yes (PoE-in supported)
Operating System	RouterOS v7
CPU	Quad-core ARM
RAM	256 MB
Storage	128 MB NAND Flash
Antennas	Internal dual-band antennas
Power Consumption	Approximately 8W max
Form Factor	Desktop / Wall-mountable
Management	WebFig, Winbox, CLI, Mobile App
Operating Temperature	-20°C to +60°C

Whether you are upgrading a home network or deploying a small office solution, the MikroTik hAP be lite delivers WiFi 7 capability at an accessible price point, backed by RouterOS flexibility and MikroTik's trusted firmware ecosystem.

MikroTik MikroTik hAP be³ Media Tri-Band Wi-Fi 7 Home Access Point

SKU: MA53UG+HbeH
Type: simple
Categories: Home AP, MikroTik Products, New in Store, SOHO

Price: 48,279 kr

MikroTik hAP be³ Media Wi-Fi 7 Home Access Point

The MikroTik hAP be³ Media is a tri-band Wi-Fi 7 (802.11be) home access point designed for high-throughput wireless networking and seamless media streaming. Built on MikroTik's RouterOS v7, this unit combines enterprise-grade routing features with consumer-friendly performance, making it suitable for bandwidth-intensive households and small office environments.

2.5 Gigabit Ethernet on all ports

That’s right – no more bottlenecks! Ultra-fast ISP uplink, NAS servers, workstations – you can have it all

A modern hybrid media center

With USB-C, two USB-A ports, and a microSD card slot, hAP be³ Media becomes the heart of your local media storage. Use flash storage for backups, photos, video surveillance or a private family cloud

The hAP be³ Media delivers true Wi-Fi 7 performance across the 2.4, 5, and 6 GHz bands.

Expect higher throughput, lower latency, improved security, and better spectral efficiency. The wide 6 GHz band offers more clean spectrum, helping reduce congestion in busy environments

Also, hAP be³ Media supports Wi-Fi 7 Multi-Link Operation (MLO) in TR-MLMR (AP mode).

Key Features

• Wi-Fi 7 (802.11be) tri-band support for maximum wireless throughput
• 2.4 GHz, 5 GHz, and 6 GHz concurrent band operation
• Multi-Link Operation (MLO) for reduced latency and improved reliability
• RouterOS v7 with full firewall, routing, and VPN capabilities
• Suitable for 4K/8K media streaming and low-latency gaming
• Includes microSD slot, as well as USB drives for media storage
• Container support
• Easy setup via MikroTik's web interface or mobile app
• Compact desktop form factor for home and small office use
• Passive cooling design for silent operation
• Multiple Gigabit Ethernet ports for wired device connectivity, 5 x 2.5G Ethernet
• IPv6 ready with advanced QoS and traffic prioritization
• PoE Input and DC jack

Technical Specifications

Attribute	Value
SKU	MA53UG+HbeH
Wi-Fi Standard	Wi-Fi 7 (IEEE 802.11be)
Frequency Bands	2.4 GHz / 5 GHz / 6 GHz (Tri-Band)
Operating System	RouterOS v7
Form Factor	Desktop
Cooling	Passive (fanless)
IPv6 Support	Yes
VPN Support	Yes (IPsec, OpenVPN, WireGuard)
Management	Web GUI, Winbox, Mobile App, CLI
Product Line	hAP (Home Access Point)

Who Is This For?

The hAP be³ Media is ideal for users who want the power and flexibility of MikroTik routing combined with the speed of Wi-Fi 7. Specifically the advanced power user. Whether you are streaming high-resolution media, working from home, or managing multiple smart home devices, this access point provides the bandwidth and stability to handle demanding network loads. RouterOS v7 gives technically proficient users full control over traffic shaping, firewall rules, and VPN configurations without requiring additional hardware.

MikroTik MikroTik ATL 5G R16 Outdoor Router

SKU: ATLGM&RG520F-EU;
Type: simple
Categories: 5G, MikroTik Products, New in Store, Outdoor

Price: 96,712 kr

MikroTik ATL 5G R16 Outdoor 5G Router

The MikroTik ATL 5G R16 is a high-performance outdoor 5G router designed for reliable, high-speed wireless connectivity in demanding environments. Built to handle Sub-6GHz and mmWave 5G bands, this unit delivers enterprise-grade throughput with the durability needed for permanent outdoor installations.

Instant Connectivity, No Strings Attached

Installing an antenna on a rooftop and realizing you forgot a SIM card? Or trying to activate your eSIM, but got stuck in the mobile operator call-center queue, endlessly listening to some classical “Your call is important” melodies over the phone?

MikroTik Connectivity solves both issues! Log in to your MikroTik account, choose a data plan, and you’re online. This pre-activated, self-sufficient eSIM setup bridges the gap between “just installed” and “fully operational.” Ideal for remote locations, failover setups, or any place you need reliable internet right now — without any extra steps.

Power Meets Practicality

With a powerful **16 dBi directional antenna, 4x4 MIMO** support, 512 MB of RAM, a modern dual-core ARM CPU, and a wide range of supported bands, ATL 5G is built to perform — whether you're deep in the countryside or surrounded by signal noise in the city. And with Gigabit Ethernet and PoE Input support, installation is cleaner and simpler — just a single cable for both power and data.

ATL 5G features **4 high-gain middle-band antennas** and **4 low-band antennas**, including **full Band 28 support** for both LTE and 5G. That means exceptional coverage in all the frequencies that really matter, including from **700 MHz to 1 GHz** — the sweet spot for rural reach and wall-penetrating reliability.

These low-frequency bands are some of the most widely used by mobile operators around the world, and ATL 5G is ready to squeeze every last drop of performance from them — ensuring you stay connected where others struggle to get a bar.

And when you don't want to rely on a traditional SIM card, you can use the **MikroTik eSIM** as your main data plan for low-usage setups or IoT deployments like KNOTs. Or simply switch profiles and connect to your favorite mobile operator — **flexibility is built in**.

Ready for Harsh Conditions

At first glance, ATL 5G looks like a spaceship — but there's a good reason for that. This sleek form factor prevents snow and water from collecting and freezing up, making it ideal for installations in cold, wet, or windy environments. No need to climb back up and clean the antenna after every snowstorm.

The IP66-rated enclosure is fully sealed against dust and powerful water jets, so ATL 5G can handle some of the roughest weather conditions — whether it's mounted on a snowy rooftop in the city or standing alone in the open countryside.

Key Benefits

• 5G NR connectivity supporting Release 16 standards for enhanced mobile broadband
• 5G + LTE Cat20 modem
• 4x4 MIMO + Band 28 support
• Powerful High-gain 16 dBi directional antenna
• Built-in eSIM with MikroTik Connectivity
• Dual SIM option
• Suitable for outdoor deployment with weatherproof enclosure
• Rugged IP-66 snow-resistant design
• Compatible with major European 5G frequency bands
• Powered by MikroTik RouterOS for advanced network management and configuration
• Supports carrier aggregation for maximised throughput in mixed-signal environments
• PoE-compatible design simplifies cable management during installation
• Compact form factor allows flexible mounting on poles, walls, or masts
• Ideal for fixed wireless access (FWA), remote site connectivity, and IoT backhaul

Technical Specifications

5G Standard3GPP Release 16

Attribute	Value
Model	ATL 5G R16

SKU	ATLGM&RG520F-EU;
Manufacturer	MikroTik
Architecture	ARM 64bit
CPU	88F3720
CPU core count	2
CPU nominal frequency	800 MHz
CPU Threads count	2
RouterOS license	3
Operating System	RouterOS v7
Size of RAM	512 MB
Storage size	32 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
Number of DC inputs	1 (PoE-IN)
Max power consumption	10 W
Max power consumption without attachments	10 W
PoE in	802.3af/at
Cooling type	Passive
PoE in input Voltage	12-56 V
Modem Module	Quectel RG520F-EU
Supported Bands	5G NR Sub-6GHz (EU bands), LTE FDD/TDD fallback
Region	Europe (EU)
3G Category	R8 (42.2Mbps Downlink, 5.76Mbps Uplink)
3G bands	1 (2100MHz), 5 (850MHz), 8 (900MHz)
LTE Category	20 (2.0 Gbps Downlink, 200 Mbps Uplink)
MIMO DL	4x4
LTE FDD bands	1 (2100MHz), 3 (1800MHz), 5 (850MHz), 7 (2600MHz), 8 (900 MHz), 20 (800MHz), 28 (700MHz), 32 (1500 MHz)
LTE TDD bands	38 (2600MHz), 40 (2300MHz), 41 (2500MHz), 42 (3500MHz), 43 (3700 MHz)
5G NSA FDD bands	1 (2100 MHz), 3 (1800 MHz), 5 (850 MHz), 7 (2600 MHz), 8 (900 MHz), 20 (800 MHz), 28 (700 MHz)
5G NSA TDD bands	38 (2600 MHz), 40 (2300 MHz), 41 (2500 MHz), 75 (1500 MHz), 76 (1500 MHz), 77 (3700 MHz), 78 (3500 MHz)
5G SA FDD bands	1 (2100 MHz), 3 (1800 MHz), 5 (850 MHz), 7 (2600 MHz), 8 (900 MHz), 20 (800 MHz), 28 (700 MHz)

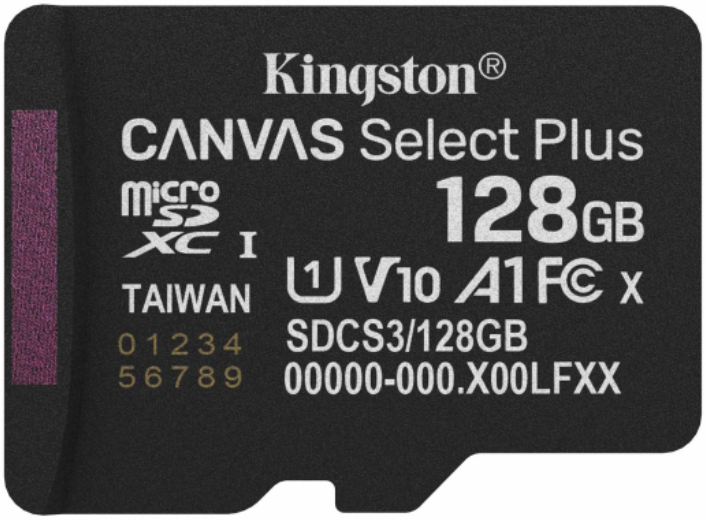
5G SA TDD bands	38 (2600 MHz), 40 (2300 MHz), 41 (2500 MHz), 75 (1500 MHz), 76 (1500 MHz), 77 (3700 MHz), 78 (3500 MHz)
TAC	86945405
Deployment Type	Outdoor
Connectivity	Gigabit Ethernet
Enclosure	Weatherproof outdoor-rated housing, IP66

Who Is This For?

The MikroTik ATL 5G R16 is suited for network engineers, ISPs, and IT professionals who need a dependable outdoor 5G solution for fixed wireless access deployments, remote office connectivity, or as a primary broadband link where fibre is unavailable. Its RouterOS integration makes it a natural fit for existing MikroTik infrastructure.

Download brocure here

Kingston Kingston 128GB microSDXC Canvas Select Plus G3 A1 150MB/s



SKU: SDCS3/128
Type: simple
Categories: Micro-SD Cards, New in Store

Price: 8,052 kr

Kingston 128GB microSDXC Canvas Select Plus Gen 3

The Kingston Canvas Select Plus Gen 3 128GB microSDXC card delivers reliable, high-speed storage for Android smartphones, tablets, and other compatible devices. With an A1 Application Performance Class rating, this card handles app loading and multitasking efficiently without slowdowns.

Key Benefits

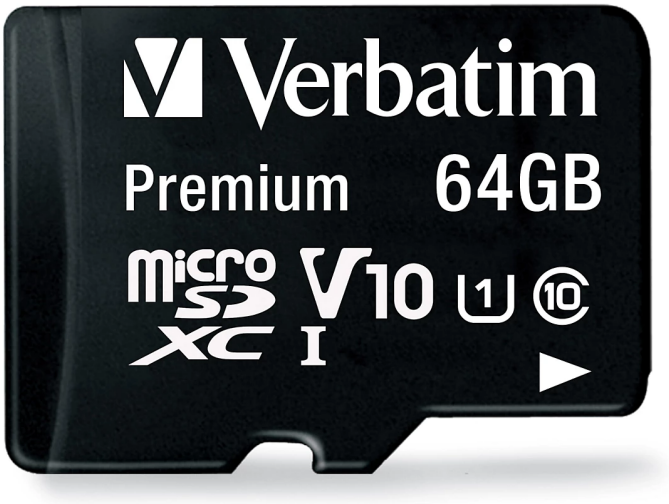
• Read speeds up to 150MB/s for fast file transfers and media playback
• A1-rated for smooth app performance directly from the card
• UHS-I Speed Class 3 (U3) and Video Speed Class 10 (V10) support for reliable HD video recording
• Compatible with Android devices, cameras, drones, and dashcams
• Durable design rated for temperatures from -25°C to 85°C
• Backed by Kingston's lifetime warranty for long-term reliability

Technical Specifications

Attribute	Value
Brand	Kingston
Capacity	128GB
Card Type	microSDXC
Series	Canvas Select Plus Gen 3
Read Speed	Up to 150MB/s
Speed Class	UHS-I, Class 10 (U3)
Video Speed Class	V10
Application Performance Class	A1
Generation	Gen 3
Adapter Included	No
Operating Temperature	-25°C to 85°C
Warranty	Lifetime

Note: This product does not include an SD adapter. If full-size SD card compatibility is required, a separate adapter must be purchased.

Verbatim Verbatim 64GB Micro SDXC Class 10 Memory Card with SD Adapter



SKU: V44084
Type: simple
Categories: Micro-SD Cards, New in Store

Price: 4,304 kr

Verbatim 64GB Micro SDXC Class 10 Memory Card with SD Adapter

The Verbatim 64GB Micro SDXC memory card delivers reliable, high-speed storage for smartphones, tablets, action cameras, and drones. Rated Class 10 for a minimum sustained write speed of 10MB/s, this card handles Full HD video recording and rapid-fire photography without performance bottlenecks. The included full-size SD adapter expands compatibility to laptops, cameras, and card readers that use standard SD slots.

Key Benefits

• 64GB capacity stores approximately 16,000 photos or up to 4 hours of Full HD video
• Class 10 speed rating ensures smooth, uninterrupted HD video recording
• Micro SDXC format compatible with all microSD and microSDXC-enabled devices
• Included SD adapter adds compatibility with standard SD card slots
• Built to withstand everyday use with shock and temperature resistance
• Formatted with exFAT file system, ready to use out of the box
• Backed by Verbatim product warranty for added peace of mind

Technical Specifications

Attribute	Value
Brand	Verbatim
Storage Capacity	64GB
Card Type	Micro SDXC (microSDXC)
Speed Class	Class 10
Minimum Write Speed	10 MB/s
File System	exFAT
Voltage	3.3V
Operating Temperature	-25°C to 85°C
Dimensions (card)	15mm x 11mm x 1mm
Adapter Included	Full-size SD Adapter
Compatible Devices	Smartphones, tablets, action cameras, drones, dashcams

Compatibility

This card is compatible with any device that supports microSD or microSDXC storage, including Android smartphones, GoPro and similar action cameras, dashcams, handheld gaming consoles, and drones. The bundled SD adapter makes it equally useful in DSLR cameras, mirrorless cameras, and laptop card readers that accept standard SD cards.

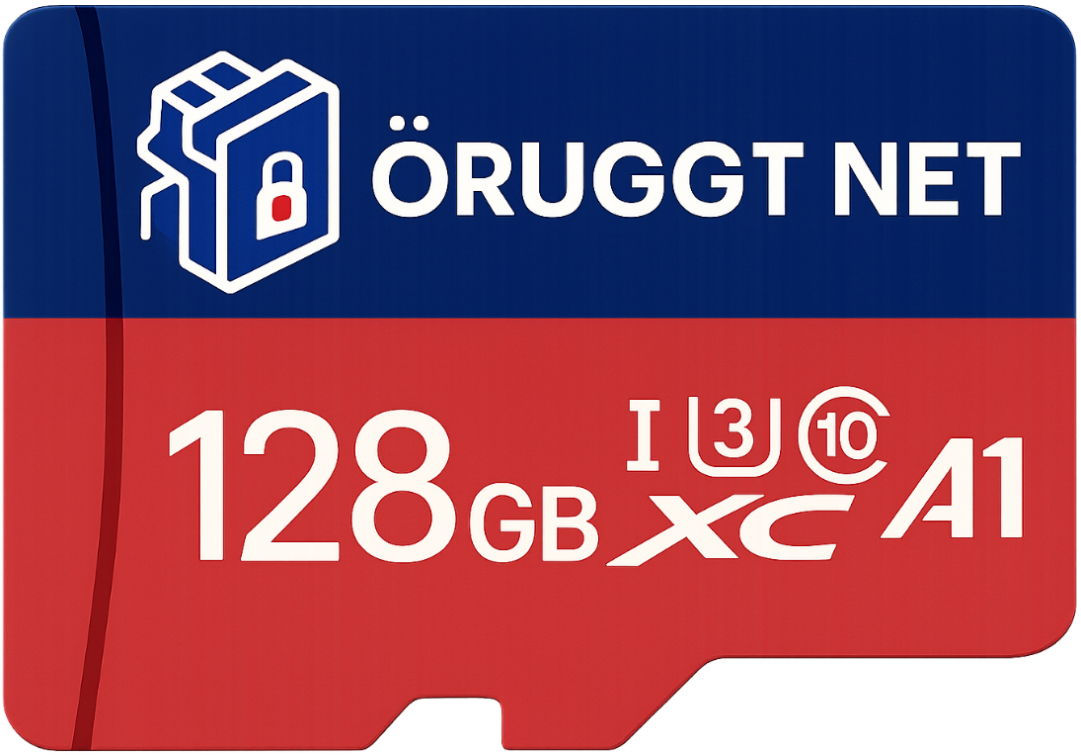
Classic LCD Digital Probe Food Temperature

SKU: CDMT
Type: simple
Categories: Gift Ideas

Price: 1,531 kr

Just your average Classic LCD Digital Probe Food Temperature: measure your food to know exactly if it is done.

MicroSD Memory Card (U3 A1 CLASS10 V30)



SKU: SDCxxx
Type: variable
Categories: Micro-SD Cards

Option: 64GB **SKU:** SDC64 **Price:** 3,151 kr
Option: 32GB **SKU:** SDC32 **Price:** 2,992 kr
Option: 256GB **SKU:** SDC256 **Price:** 5,400 kr
Option: 128GB **SKU:** SDC128 **Price:** 5,956 kr

This **MicroSD Memory Card** is engineered to meet the demands of modern digital storage. Whether you are a professional photographer, a content creator, or a casual user, this memory card ensures seamless performance with its **U3, A1, CLASS10, and V30 speed ratings**. It supports **read speeds of 10-100MB/s** and **write speeds of 4-40MB/s**, making it perfect for high-resolution images, Full HD videos, and fast data transfers.

Key Features:

• High-Speed Performance: U3, A1, CLASS10, and V30 ratings ensure fast, reliable data transfer.
• Wide Compatibility: Works with MP3 players, DVRs, digital cameras, smartphones, tablets, and more.
• Durable and Compact: Made from high-quality plastic, this card is built to last and fits seamlessly into any device.
• Multiple Capacities: Available in 32GB, 64GB, 128GB, and 256GB capacities to suit your storage needs.
• Operating Temperature Range: Functions reliably in extreme conditions, from -25°C to 85°C.
• Easy to Use: Plug and play; supports Windows and Mac OS.

Specifications:

Attribute	Details
Product Name	Micro SD Card

Product Capacity	32GB, 64GB, 128GB, 256GB
Product Size	15mm x 11mm x 1mm
Reading Speed	10-100MB/s
Writing Speed	4-40MB/s
Operating Temperature	-25°C to 85°C
Speed Class	U3, A1, CLASS10, V30
Compatibility	MP3, DVR, digital cameras, smartphones, etc.
Material	Plastic
Color	Black, Blue
Model Number	TF CARD
Place of Origin	Guangdong, China

Packaging and Delivery:

• Selling Units: Single item
• Package Size: 5cm x 5cm x 5cm
• Gross Weight: 0.010 kg per batch

Note:

• The actual product may vary slightly from the images provided.
• The default format is exFAT; if your device only supports FAT32, format the card using a computer.
• Laboratory-tested read speeds may vary in actual usage.

Ideal For:

• Expanding storage for smartphones and tablets
• Capturing high-resolution photos and videos
• Storing music, documents, and other digital files
• Use in DVRs, MP3 players, and other compatible devices

USB-C to USB-C 240W Super Fast Charging data Cable with Foldable Stand (1.5m)

SKU: C2C240W1.5MStand
Type: simple
Categories: Cables

Price: 5,634 kr

This **USB-C to USB-C cable** is engineered for **240W ultra-fast charging**, intelligently identifying your device to deliver the optimal charging current safely. With **480Mbps data transfer speed**, it ensures quick file syncing between phones, tablets, and laptops. Whether you're powering up a laptop, tablet, or smartphone, this cable minimizes downtime and maximizes efficiency.

Built-In Foldable Aluminum Stand

The integrated **precision-hinge stand** allows for **multi-angle positioning**, providing stable support in both **landscape and portrait modes**. Ideal for video calls, streaming, or working hands-free, the stand folds flat when not in use, making it portable and convenient for travel.

90° Right-Angle Connector for Comfort & Durability

The **90° right-angle USB-C connector** reduces strain on the cable and port, preventing accidental disconnections and extending the lifespan of both the cable and your device. The ergonomic design ensures a comfortable hold during use, while the **48-strand braided outer sheath** resists tangling, fraying, and wear, even with frequent bending.

Wide Compatibility & Fast-Charge Protocol Support

Fully compatible with mainstream fast-charging protocols, this cable works seamlessly with **USB-C enabled smartphones, tablets, and laptops**, including:

• Phones: iPhone 15/14/13 (USB-C), Samsung Galaxy S/Note series, Google Pixel, and more.
• Tablets: iPad Pro/Air (USB-C), Samsung Galaxy Tab, and other USB-C tablets.
• Laptops: MacBook Pro/Air, Dell XPS, HP Spectre, and other USB-C laptops.

Durable & Travel-Friendly Design

• 48-strand braided cable: Tear-resistant, durable, and built to withstand daily wear.
• Compact & tangle-free: The 1.5m length is perfect for home, office, or on-the-go use.
• Eco-friendly materials: Safe for you and the environment.

Specifications

Length	1.5 meters
Power Output	240W
Data Transfer Speed	480Mbps
Connector Type	USB-C to USB-C
Cable Material	Braided nylon
Stand Material	Aluminum

Why Choose This Cable?

• All-in-one solution: Charge, sync data, and prop up your device with a single cable.
• No more bumped plugs: The right-angle connector stays out of your way.
• Future-proof: Supports the latest fast-charging standards for next-gen devices.
• High powered: supports 3A, 5A, 6A fast charging, upto 240W
• Built-in stand: Aluminum (foldable, multi-angle)

Perfect for professionals, gamers, and travelers who demand **speed, durability, and versatility** in one cable. Upgrade your charging experience today!

Cybersecurity Awareness 18:30 23 June 2026

SKU: cyberAwere23jun26
Type: simple
Categories: Training

Price: 20,150 kr

Cybersecurity Awareness

This training class uses everyday language and is designed for the general public, whether they are in the job market or not. So, no prior computer expertise is required from you. It comes with a certificate of completion. This course is an excellent option for anyone seeking greater online security. The class is taught in a very lively, interactive fashion, and we try to make it as entertaining and informative as possible. The class length depends on how much interaction and discussion we get from the participants, usually around 2.5 hours. We reserve three hours just to be safe. There is one break about midway through.

Topics

We will discuss and define the following topics.

• Why perfect security doesn't exist
• Password Management
• MFA and Passkeys
• Critical Thinking
• Links, Attachment, USB Drives
• Social Engineering
• Scams
• FUD

• Risks and Threat Profiling
• Threat Protection
• Your online footprint and how to minimize it
• General online privacy tips and tricks.
• Fake news and other fake material
• Dangers with Apps
• Privacy dangers from AI chatbots

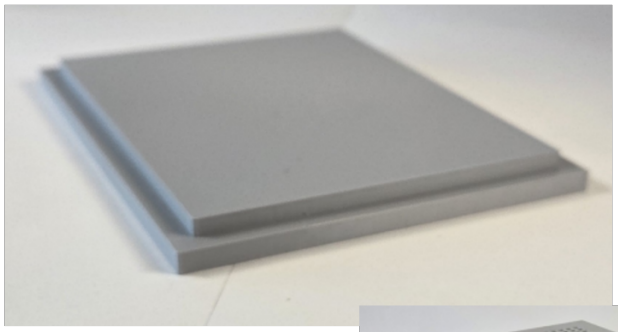
Raspberry Pi 5 Stacking Bundle

SKU: RaspStackBundle
Type: bundle
Categories: ! Featured Products !, Compute

Price: Contact us for price

This bundle gets you everything you need in order to stack your Raspberry Pi 5. It is recommended that you get the same number of all the products as the nodes you want in your stack. Except for the stack adapter. So if you want a five node Raspberry cluster, get five of everything, except the stack adapter of which you need four.

Lid for MikroTik hAX stacking case



SKU: haxstackTop
Type: variable
Categories: Accessories

Option: PinsSide,White **SKU:** haxstackTop-RS-wht **Price:** 2,829 kr
Option: PinsSide,Orange **SKU:** haxstackTop-RS-ora **Price:** 2,829 kr
Option: PinsSide,Grey **SKU:** haxstackTop-RS-gre **Price:** 2,829 kr
Option: PinsSide,Blue **SKU:** haxstackTop-RS-blu **Price:** 2,829 kr
Option: PinsSide,Black **SKU:** haxstackTop-RS-blk **Price:** 2,829 kr
Option: PinsFront,White **SKU:** haxstackTop-RF-wht **Price:** 2,829 kr
Option: PinsFront,Orange **SKU:** haxstackTop-RF-ora **Price:** 2,829 kr
Option: PinsFront,Grey **SKU:** haxstackTop-RF-gre **Price:** 2,829 kr
Option: PinsFront,Blue **SKU:** haxstackTop-RF-blu **Price:** 2,829 kr
Option: PinsFront,Black **SKU:** haxstackTop-RF-blk **Price:** 2,829 kr
Option: Flat,White **SKU:** haxstackTop-flat-wht **Price:** 2,829 kr
Option: Flat,Orange **SKU:** haxstackTop-flat-ora **Price:** 2,829 kr
Option: Flat,Grey **SKU:** haxstackTop-flat-gre **Price:** 2,829 kr
Option: Flat,Blue **SKU:** haxstackTop-flat-blu **Price:** 2,829 kr
Option: Flat,Black **SKU:** haxstackTop-flat-blk **Price:** 2,829 kr

This is a lid for the stacking case. Comes in three varieties, with or without pins to keep the Raspberry Pi case in place, and you can choose whether you want the Raspberry Pi case's USB/Ethernet port on the side or the front.

Print your own from
https://www.printables.com/model/1645841-stacking-case-for-mikrotik-hap-and-hax-routers

Lab Bundle

SKU: LabKit
Type: bundle
Categories: ! Featured Products !, SOHO

Price: Contact us for price

With this bundle, you have everything you need to learn networking or hone your networking skills. By default, this is a five-node network, but feel free to configure the bundle with as many nodes as you want. Just make sure you get one stacking case for each router. With this, you can practice your OSPF, BGP, or even MPLS skills.

Add each device you want in the bundle and adjust the quantity as desired. If you want a default bundle, just put a check in all the check boxes and leave the quantity as is.

Default bundle is 54.618 kr. plus VAT.

MikroTik hAX stacking case

SKU: hAXStack
Type: variable
Categories: Accessories

Option: White **SKU:** hAXStack-wht **Price:** 5,569 kr
Option: Orange **SKU:** hAXStack-ora **Price:** 5,569 kr
Option: Grey **SKU:** hAXStack-gre **Price:** 5,569 kr
Option: Blue **SKU:** hAXStack-blu **Price:** 5,569 kr
Option: Black **SKU:** hAXStack-blk **Price:** 5,569 kr

A custom-designed case that you can place your MikroTik hAX and hAP routers in to enable you to neatly stack them. Great for lab setup and any scenario where you need multiple hAX and hAP lite-type devices neatly in one place.

Fits the following devices:

• hEX S (2025) [E60iUGS]
• hEX refresh [E50UG]
• hEX lite [RB750r2]
• hEX [RB750Gr3]
• hEX PoE lite [RB750UPr2]
• hAP lite [RB941-2nD]
• hAP [RB951Ui-2nD]
• hAP ac lite [RB952Ui-5ac2nD]

If you would like to use other models in your stack, for example, hAP ax S or ax², let us know

Print your own at
https://www.printables.com/model/1645841-stacking-case-for-mikrotik-hap-and-hax-routers

M.2 SSD Storage Case – 4-Slot Protective Box (2230/2242/2260/2280)

SKU: m2box
Type: simple
Categories: Storage & Memory

Price: 3,949 kr

M.2 SSD Storage Case – 4-Slot Protective Box

Never toss your M.2 SSDs loose in a drawer again. The M1 storage case is purpose-built to keep up to four M.2 solid-state drives safe, organised, and ready to go wherever you are.

Built to protect what matters. The hard-shell PP exterior is dustproof, waterproof, and moisture-resistant, providing comprehensive environmental protection for your drives. Inside, a double-sided EVA foam lining cradles each drive individually — holding them firmly in place with no rattling or shifting, even if the case is dropped.

Fits all common M.2 form factors. Whether you're storing NVMe or SATA drives, this case is compatible with 2230, 2242, 2260, and 2280 size SSDs — covering virtually every M.2 drive on the market.

Slim, portable, and pocket-sized. At just 124 × 69 × 16mm, the case slips easily into a bag, toolbox, or jacket pocket. The secure snap-close latch keeps it sealed during transport, while a labelling panel on the back lets you note what's inside for quick identification.

Key Specifications:

• Model: M1

• Capacity: 4 × M.2 SSD (2230 / 2242 / 2260 / 2280)
• Shell Material: PP (Polypropylene)
• Lining Material: EVA foam
• Dimensions: 124 × 69 × 16mm
• Protection: Shockproof, dustproof, waterproof, moistureproof
• Color: Black

MikroTik SXT LTE7 kit

SKU: SXTR&R11e-LTE7;
Type: simple
Categories: LTE, MikroTik Products, Outdoor

Price: 26,751 kr

The SXT LTE7 kit is a rugged outdoor LTE access point designed for remote and hard-to-reach locations that remain within cellular network coverage. It keeps the same trusted SXT enclosure that has proven itself in thousands of deployments worldwide – but now features a faster LTE Category 7 modem, delivering higher speeds, better stability, and improved performance in crowded or rural LTE networks.

Mount it outside, point it at the nearest tower, and always stay connected!

SXT has always been about reliable connectivity with minimal visual impact:

• Weatherproof/Snow-resistant

• Unobtrusive, durable, and discreet

• Designed to attract less unwanted attention

The SXT LTE7 kit keeps everything that made the platform popular – and upgrades what matters most: mobile performance. With LTE Category 7, you get faster uploads, better responsiveness, and stronger connections without changing your installation or setup.

We've included two Micro-SIM slots for backup. It never hurts to have extra options when itcomes to mobile network coverage. Also, the Category 7 LTE modem enables carrier aggregation, allowing SXT to use multiple LTE bands simultaneously. That's a huge advantage when there area lot of mobile users in the area. It offers better responsiveness in a crowded environment. And higher efficiency in weaker-signal situations in the countryside. Win-win! We have seen Internet speed doubling in rural areas after switching to carrier aggregation, so there is no need to wait for cable network expansions.

The unit is equipped with two Ethernet ports and PoE functionality: PoE-in on Ether1, PoE-out on Ether2. That means SXT can power other devices or be powered by other devices, making your cable management so much easier!

The unit ships with a 24 V power supply but supports a wide range of 12-57 V and is 802.3af/at-compliant.

Specification

Product code	SXTR&R11e-LTE7;
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9531
RouterOS license	3
Operating System	RouterOS v7
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200,000 hours at 25°C
Tested ambient temperature	-40°C to 60°C
Number of DC inputs	1 (PoE-IN)
Max power consumption	24 W
Max power consumption without attachments	7 W
PoE in	802.3af/at
Cooling type	Passive
PoE in input Voltage	12-57 V
PoE-out ports	Ether: 2
PoE out	Passive PoE up to 57V
Low voltage PoE-Out current limit	600 mA
High voltage PoE-Out current limit	400 mA
Max total out (A)	600 mA
3G Category	R8 (DL: 42.2 Mbps; UL: 5.76 Mbps)
3G bands	1 (2100 MHz), 3 (1800 MHz), 5 (850 MHz), 8 (900 MHz)
LTE Category	7 (DL: 300 Mbps; UL: 100 Mbps)
MIMO DL	2x2
MIMO UL	1x1
LTE FDD bands	1 (2100 MHz), 3 (1800 MHz), 5 (850 MHz), 7 (2600 MHz), 8 (900 MHz), 20 (800 MHz), 28 (700 MHz), 32 (1500 MHz)
LTE TDD bands	38 (2600 MHz), 40 (2300 MHz), 41 (2500 MHz)
TAC	35312597
10/100 Ethernet ports	2
Number of SIM slots	2 Modem (Micro SIM)

MiniPCI-e slots	1
Mode button	Yes
Certification	CE, EAC, RoHS
IP	IP54

Included parts

Ethernet test results

Mode	Configuration	1518 byte	512 byte	64 byte			
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Bridging	none (fast path)	16.3	197.9	47.0	192.5	297.6	152.4
Bridging	25 bridge filter rules	16.3	197.9	47.0	192.5	80.4	41.2
Routing	none (fast path)	16.3	197.9	47.0	192.5	233.1	119.3
Routing	25 simple queues	16.3	197.9	47.0	192.5	131.4	67.3
Routing	25 ip filter rules	16.3	197.9	47.0	192.5	49.1	25.1

Test Notes:

• All tests are done with Xena Networks specialized test equipment (XenaBay), and done according to RFC2544 (Xena2544).
• Max throughput is determined with 30+ second attempts with 0.1% packet loss tolerance in 64, 512, 1518 byte packet sizes.
• Test results show device maximum performance, and are reached using mentioned hardware and software configuration; different configurations will likely result in lower results.

MikroTik Chateau LTE7 ax

SKU: S53UG+5HaxD2HaxD-TC&R11e-LTE7;
Type: simple
Categories: 802.11a, 802.11ac, 802.11ax, 802.11b, 802.11g, 802.11n, Chateau Wireless, Home AP, LTE, MikroTik Products, SOHO, WAP

Price: 48,279 kr

Are you tired of those suspicious, low-quality default routers from your service providers? So many households are switching to mobile internet, but those default routers can really ruin the experience. That's why we decided to take everything we've learned over the last 20 years of networking excellence and create a single device that will make most households happy: the MikroTik Chateau.

Why upgrade to CAT7?

✓ **Twice the upload speed**

Depending on the LTE tower infrastructure and other variables

✓ **Expanded frequency support**

Including Band 28 (700 MHz) & Band 32 (1500 MHz) for better performance in congested areas

✓ **Carrier aggregation (2×CA)**

For higher efficiency and responsiveness in busy networks

✓ **Same trusted design**

No changes to installation or configuration

✓ **Lower cost**

Better connectivity that actually costs less, especially on volume orders

A powerful LTE router for demanding networks

Chateau LTE7 ax combines the new R11e-LTE7 modem with a quad-core ARM CPU, 1GB of RAM, Wi-Fi 6 (802.11ax) dual-band wireless, and a 2.5 Gigabit Ethernet port for ultra-fast local connections. Run multiple secure VPN tunnels, advanced firewall rules, advanced container setups, or complex routing scenarios – all while enjoying faster and more reliable mobile connectivity. Whether LTE is your primary connection or a rock-solid backup to fiber, Chateau LTE7 ax adapts to your setup effortlessly… and in style!

Perfect for home offices, businesses, and ISPs

It's equally comfortable in the hands of seasoned system administrators who need true flexibility – or users who just want to plug it in and forget it's there.

Chateau supports the TR-069 technology that allows creating custom remote client management options. You can have the most straightforward and basic router settings on the same web-page that you are using to pay the mobile bill.

The freedom of LTE

Reach consistent speeds of up to 300 Mbps with carrier aggregation, as CAT7 allows devices to use multiple bands simultaneously. That is a huge advantage in areas with many LTE users. Chateau provides better responsiveness in a crowded environment and higher efficiency for weaker signal situations in the countryside

Depending on the service provider, we have seen Internet speed doubling in rural areas after switching to carrier aggregation, so there is no need to wait for cable network expansions.

Specification

Product code	S53UG+5HaxD2HaxD-TC&R11e-LTE7;
Architecture	ARM 64bit
CPU	IPQ-6010
CPU core count	4
CPU nominal frequency	auto MHz
CPU Threads count	4
Switch chip model	IPQ-6010
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	1 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200.000 hours at 25°C
Tested ambient temperature	-40°C to 70°C
Number of DC inputs	1 (DC jack)
DC jack input Voltage	12-28 V
Max power consumption	21.5 W
Max power consumption without attachments	15.5 W
Cooling type	Passive
3G Category	R8 (DL: 42.2 Mbps; UL: 5.76 Mbps)
3G bands	1 (2100 MHz), 5 (850 MHz), 8 (900 MHz), 3 (1800 MHz)
LTE Category	7 (DL: 300 Mbps; UL: 100 Mbps)
MIMO DL	2x2
MIMO UL	1x1
LTE FDD bands	1 (2100 MHz), 3 (1800 MHz), 5 (850 MHz), 7 (2600 MHz), 8 (900 MHz), 20 (800 MHz), 28 (700 MHz), 32 (1500 MHz)
LTE TDD bands	38 (2600 MHz), 40 (2300 MHz), 41 (2500 MHz)
TAC	35312597
Wireless 2.4 GHz Max data rate	574 Mbit/s
Wireless 2.4 GHz Number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n/ax
Antenna gain dBi for 2.4 GHz	3
Wireless 2.4 GHz chip model	QCN-5022
Wireless 2.4 GHz generation	Wi-Fi 6
Wireless 5 GHz Max data rate	1200 Mbit/s

Wireless 5 GHz Number of chains	2
Wireless 5 GHz standards	802.11a/n/ac/ax
Antenna gain dBi for 5 GHz	6
Wireless 5 GHz chip model	QCN-5052
Wireless 5 GHz generation	Wi-Fi 6
10/100/1000 Ethernet ports	4
Number of 2.5G Ethernet ports	1
Number of SIM slots	1 Modem (Micro SIM)
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes
Certification	CE, EAC, RoHS
IP	IP20

Included parts

Ethernet Test Results

Mode	Configuration	1518 byte	512 byte	64 byte			
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Bridging	none (fast path)	219.2	2662	593.5	2430.9	1509.2	821
Bridging	25 bridge filter rules	218.1	2649.1	460.3	1885.3	468.5	254.9
Routing	none (fast path)	218.9	2657.8	596.6	2443.6	1228.3	668.2
Routing	25 simple queues	218.5	2653.5	463.4	1898	468.5	254.9
Routing	25 ip filter rules	215.3	2614.4	279.6	1145.2	281.8	153.3

• All tests are done with Xena Networks specialized test equipment (XenaBay),and done according to RFC2544 (Xena2544)
• Max throughput is determined with 30+ second attempts with 0,1% packet loss tolerance in 64, 512, 1518 byte packet sizes

• Test results show device maximum performance, and are reached using mentioned hardware and software configuration, different configurations most likely will result in lower results

IPsec Test Results

Mode	Configuration	1400 byte	512 byte	64 byte			
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Single tunnel	AES-128-CBC + SHA1	78.4	878.1	91.9	376.4	93.6	47.9
256 tunnels	AES-128-CBC + SHA1	50.1	561.1	55.5	227.3	58.6	30
256 tunnels	AES-128-CBC + SHA256	50	560	55.4	226.9	58.6	30
256 tunnels	AES-256-CBC + SHA1	49.4	553.3	54.8	224.5	58.6	30
256 tunnels	AES-256-CBC + SHA256	49.4	553.3	55	225.3	58.6	30

• All tests are done with Xena Networks specialized test equipment (XenaBay),and done according to RFC2544 (Xena2544)
• Max throughput is determined with 30+ second attempts with 0,1% packet loss tolerance in 64, 512, 1400 byte packet sizes
• Test results show device maximum performance, and are reached using mentioned hardware and software configuration, different configurations most likely will result in lower results

Wireless Specification

(2.4 GHz)	Transmit (dBm)	Receive Sensitivity
1MBit/s	23	-100
11MBit/s	23	-94
6MBit/s	24	-96
54MBit/s	21	-80
MCS0	24	-96
MCS7	20	-75
MCS9	19	-70
MCS11	17	-67

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	24	-96

54MBit/s	21	-80
MCS0	24	-96
MCS7	20	-75
MCS9	19	-70
MCS11	17	-67

MikroTik LtAP mini LTE kit

SKU: RB912R-2nD-LTm&EC200A-EU;
Type: simple
Categories: 802.11b, 802.11g, 802.11n, LTE, MikroTik Products, Outdoor, WAP

Price: 26,239 kr

LtAP Mini LTE kit is a compact and rugged wireless access point designed to keep your vehicle connected wherever you go. Whether you’re riding through the Great Outdoors or navigating busy urban streets, this tiny device ensures you’re always online and ready to upload location data.

LtAP mini has a special extra-durable enclosure with a wall mounting kit, two SIM slots to alternate between cellular providers, and integrated GPS support, making this a perfect device for tracking moving vehicles like cars, buses or trains.

There’s an Ethernet port for your wired devices and a classic 2.4 GHz wireless radio. The RS232 serial port gives you console access for debugging.

The power options are as flexible as they get. You have the classic DC jack, 802.3af/at PoE-in, and a microUSB option. We have even seen users powering the LtAP mini with a portable power bank

throughout the day!

The new LTE card offers a better price and the support of the most popular LTE bands, including the B28 band! It is connected to two internal antennas with u.FL connectors, so you can unplug the connectors and add your own external LTE antenna for even better coverage.

We have provided a simple tracking application example in the RouterOS documentation - to help you start tracking your vehicle’s location in real-time. You will need to connect an external GPS antenna, we recommend using the ACGPSA antenna with IP67 water resistance rating.

Specification

Product code	RB912R-2nD-LTm&EC200A-EU;
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100.000 hours at 25°C
Tested ambient temperature	-40°C to 70°C
MicroUSB input Voltage	5 V
Number of DC inputs	3 (DC jack, PoE-IN, MicroUSB)
DC jack input Voltage	8-30 V
Max power consumption	8 W
PoE in	802.3af/at
Cooling type	Passive
PoE in input Voltage	12-57 V
2G Category	Class12
2G bands	8 (900 MHz), 3 (1800 MHz)
3G Category	R7 (21 Mbps Downlink, 5.76 Mbps Uplink)
3G bands	5 (850 MHz), 8 (900 MHz), 1 (2100 MHz)
LTE Category	4 (150 Mbps Downlink, 50 Mbps Uplink)
MIMO DL	2x2
MIMO UL	1x1
LTE FDD bands	20 (800 MHz), 8 (900 MHz), 3 (1800 MHz), 1 (2100 MHz), 7 (2600 MHz), 5 (850 MHz), 28 (700 MHz)
LTE TDD bands	40 (2300 MHz), 38 (2600 MHz), 41n (2500 MHz)
TAC	86314105
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz Number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	1.5
Wireless 2.4 GHz chip model	QCA9531
Wireless 2.4 GHz generation	Wi-Fi 4

10/100 Ethernet ports	1
Number of SIM slots	2 Modem (Mini SIM)
MiniPCI-e slots	1
Serial console port	RS232
Mode button	Yes
GNSS standards	GPS
GPS RF connector type	uUFL
Certification	CE, E-MARK, EAC, RoHS
IP	IP54

Included parts

Ethernet Test Results

Mode	Configuration	1518 byte	512 byte	64 byte			
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Bridging	none (fast path)	8.1	98.4	23.5	96.3	173.6	88.9
Bridging	25 bridge filter rules	8.1	98.4	23.5	96.3	70.9	36.3
Routing	none (fast path)	8.1	98.4	23.5	96.3	160.8	82.3
Routing	25 simple queues	8.1	98.4	23.5	96.3	90.8	46.5
Routing	25 ip filter rules	8.1	98.4	23.5	96.3	43.2	22.1

• All tests are done with Xena Networks specialized test equipment (XenaBay),and done according to RFC2544 (Xena2544)
• Max throughput is determined with 30+ second attempts with 0,1% packet loss tolerance in 64, 512, 1518 byte packet sizes
• Test results show device maximum performance, and are reached using mentioned hardware and software configuration, different configurations most likely will result in lower results

MikroTik hEX S (2025)

SKU: E60iUGS
Type: simple
Categories: MikroTik Products, SOHO

Price: 18,535 kr

Introducing the 2025 edition of the MikroTik hEX S. Need a wired router that won't slow you down or drain your budget? The new **hEX S** is a compact, truly budget-friendly device that does a little bit of everything — and does it fast.

Whether you're building a smart home, running a local lab, or just want a clean, powerful wired setup, this is your new Ethernet essential.

With 5× Gigabit Ethernet ports (including PoE-in on port #1 and PoE-out on port #5), plus a 2.5 Gigabit SFP cage, this compact router can adapt to many roles. And unlike most ISP boxes, you can assign any port as WAN, LAN, or bridge — full flexibility right out of the box.

That's just the beginning. RouterOS v7 gives you advanced routing, VLANs, bonding, traffic shaping, and more — so you can build the wired network you've always wanted.

Max Your Internet Plan

Got a 2 Gbps fiber plan? Use the 2.5G SFP port on the MikroTik hEX S to deliver that speed to your power-hungry devices — from self-hosted movie servers to media workstations or security camera NVRs. Perfect for homes, small offices, and media studios.

Local Speed for Creators

Connect your PC over 2.5G, then bond two 1G ports to your NAS. Enjoy ultra-fast file transfers, smooth backups, and zero bottlenecks — ideal for creators, editors, and researchers who work with large files.

Specification

Product code	E60iUGS
Architecture	ARM 32bit
CPU	EN7562CT
CPU core count	2
CPU nominal frequency	950 MHz
CPU Threads count	2
Switch chip model	EN7523
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	512 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 100,000 hours at 25°C
Tested ambient temperature	-40°C to 70°C
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	23 W
Max power consumption without attachments	5 W
PoE in	802.3af/at
Cooling type	Passive
PoE in input Voltage	18-57 V
PoE-out ports	Ether 5
PoE out	Passive PoE up to 57V
Low voltage PoE-Out current limit	0.5 A
High voltage PoE-Out current limit	0.5 A
10/100/1000 Ethernet ports	5
Number of 1G Ethernet ports with PoE-out	1
SFP ports	1 (2.5G supported)
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB 3.0 type A
Max USB current (A)	1
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes

Certification	CE, EAC, RoHS
IP	20

Included parts

Ethernet Test Results

Mode	Configuration	1518 byte	512 byte	64 byte			
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Bridging	none (fast path)	340.3	4132.4	389	1593.5	402.6	219
Bridging	25 bridge filter rules	190.6	2315.1	197	806.8	193.9	105.5
Routing	none (fast path)	300.3	3646.6	340.5	1394.7	342.2	186.1
Routing	25 simple queues	173.1	2102.6	174.3	713.8	171.9	93.5
Routing	25 ip filter rules	117.8	1430.3	121.6	498.1	117	63.6

IPSEC Test Results

Mode	Configuration	1400 byte	512 byte	64 byte			
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Single tunnel	AES-128-CBC + SHA1	31.4	351.7	34.8	142.5	37.2	20.2
256 tunnels	AES-128-CBC + SHA1	16.8	188.2	17.6	72.1	18.5	10.1
256 tunnels	AES-128-CBC + SHA256	16.9	189.3	17.9	73.3	18.7	10.2
256 tunnels	AES-256-CBC + SHA1	16.8	188.2	17.6	72.1	18.7	10.2
256 tunnels	AES-256-CBC + SHA256	16.9	189.3	17.9	73.3	18.9	10.3

Rechargeable Fiber Optic Red Light Test Pen – 15 mW / 50 mW / 100 mW

SKU: SX01L
Type: variable
Categories: Miscellaneous

Option: 100mW **SKU:** SX01L-R100 **Price:** 8,052 kr
Option: 50 mW **SKU:** SX01L-R50 **Price:** 7,173 kr
Option: 15 mW **SKU:** SX01L-R15 **Price:** 4,828 kr

This rechargeable fiber-optic red-light test pen produces a bright, visible red laser beam for fiber network troubleshooting and visual fault location. Ideal for inspecting fiber links, detecting breaks, sharp bends, or poor splices by transmitting a visible beam through fiber cores during fiber testing and installation workflows.

Available in **three output power levels** — **15 mW**, **50 mW,** and **100 mW** — to meet different testing requirements. The pen's compact design fits comfortably in the hand and supports rechargeable operation for repeated use in field applications.

Comes with a 2.5 mm interface suitable for FC/SC/ST type connectors; LC (1.25 mm) connectors require a suitable adapter or patch cord. Emitts red laser using a 650 nm wavelength.

This fiber-optic test pen is suitable for fiber installation, inspection, troubleshooting, maintenance, and general fiber continuity checks, providing a reliable red-light indication along the fiber path.

Key Features

• Visible red light laser source for visual fiber inspection and fault identification.
• Rechargeable handheld design for field use.
• Three output powers are available: 15 mW, 50 mW, and 100 mW.
• Lightweight, pen-style portable tester.
• For fiber installation, inspection and troubleshooting

■ Technical Specifications

Attribute	Value
Product Type	Fiber Optic Red Light Test Pen
Light Source	Visible Red Laser
Light type	Steady or flicker, user selectable
Output Wavelength	65nm
Universal Interface	2.5mm (FC/SC/ST)
Output Power Options	15 mW,50 mW,100 mW
Power Source	Rechargeable battery
Battery Type	Rechargeable Li-ion (18650)
Usage	Visual fiber testing and fault locating
Portability	Handheld / pen form factor
Product Weight	0.22kg (with battery)
Product dimension	150 mm length, 25 mm diameter
Package size/weight	166 mm x 30 mm x 60mm / 0.3 kg
Primary Application	Fiber installation, inspection, and troubleshooting

Blue Indicating Silica Gel Beads – 500 ml jar

SKU: Silica500
Type: simple
Categories: 3D Printing

Price: 9,967 kr

These **blue, indicating silica gel beads** are a high-capacity desiccant designed for effective humidity control in enclosed spaces. Supplied in a **500 ml screw-top jar**, they are easy to store, dispense, and reuse for custom-sized desiccant packs. They weigh around 450g full of this product.

Silica gel adsorbs moisture from the air, helping protect contents from corrosion, mold, and humidity-related damage. The blue variant includes a **color indicator** that changes as the beads become saturated, giving a clear visual signal when they need to be recharged.

These beads are ideal for creating DIY desiccant packs using breathable fabric bags or mesh containers. For 3D printing users, they are especially useful for keeping filament spools dry inside storage boxes or dry cabinets. The same principle applies to camera cases, electronics enclosures, tool drawers, transport cases, and sealed storage containers.

A major advantage of silica gel beads is their **reusability**. Once the indicator shows saturation, the beads can be dried and returned to service. Regeneration can be done in a standard kitchen oven or toaster oven by spreading the beads on a baking sheet and heating them at **110 °C for 1–2 hours**. After cooling, they are ready for reuse. Make sure you return recharged beats to a sealed container as soon as they are cool enough, because they begin to absorb moisture as they cool.

The bead format allows flexible dosing: use more beads for larger volumes or high-humidity environments, and fewer for small containers. The jar format keeps handling clean and controlled compared to loose bags or sachets.

Recommended accessory: Fabric drawstring bags (7 × 12 cm)
These silica gel beads are ideal for use with our breathable fabric drawstring bags. The fabric allows air

and moisture to reach the beads efficiently while keeping all particles contained. This makes it easy to create custom-sized desiccant packs for filament boxes, dry cabinets, tool storage, and transport cases.

Recommended container option
To make reusable desiccant packs easier to use and position, these silica gel beads can be placed inside a **permeable mesh box**. For example, this 5 × 5 × 5 cm mesh box design on Printables: https://www.printables.com/model/1570938-mesh-box-5x5x5cm provides good airflow while keeping the beads contained. It's a practical complement to the beads — suitable for dry cabinets, filament boxes, tool cases, and similar enclosures. If you'd like, we can **print and supply this mesh box** ready to use with the beads and/or fabric drawstring bags. Please contact us to request a quote and to have this printed for you.

Key features

• High moisture adsorption – effective humidity control
• Color-indicating – shows when beads are saturated
• Reusable and rechargeable – dry and reuse multiple times
• Convenient jar packaging – easy to pour and measure
• Flexible use – suitable for technical and household storage

Technical details

• Material: Silica gel (SiO_2)
• Type: Blue, indicating desiccant beads
• Packaging: 500 ml screw-top jar
• Regeneration method: Bake at 110 °C for 1–2 hours
• Intended use: Humidity control in enclosed spaces

Typical applications

• 3D printer filament spool storage
• Dry boxes and sealed containers
• Camera and optics cases
• Electronics enclosures
• Tool drawers and spare parts storage

Handling & safety notes

• Not for food use
• Avoid inhaling dust
• Keep away from children and pets
• Do not mix with food or animal feed storage

MikroTik ACGPSA - Active GPS antenna for LtAP series products

SKU: ACGPSA
Type: simple
Categories: Antenna, MikroTik Products

Price: 2,810 kr

ACGPSA is a standalone active GPS antenna operating at 1575.4 MHz. The antenna measures 46.5 mm x 26.5 mm x 12.5 mm, has an IP67 rating, and includes an internal magnet and double-sided tape, making it easy to attach to various surfaces. It has a long 5m cable with an SMA male connector, to be connected to a LtAP or LtAP mini via the ACSMAUFL pigtail (available for separate ordering).

Straight Line Pattern Head for Red Laser Pointer

SKU: LPPH-SL
Type: simple
Categories: Accessories

Price: 1,222 kr

Straight Line Pattern Head for Red Laser Pointer

This **straight line pattern head for red laser pointer** base units converts the laser beam into a clean straight line. It is designed for alignment and marking tasks that require a continuous visual reference line.

By transforming a single laser dot into a projected line, this accessory makes it easier to establish straight visual guides for setup, positioning, and demonstrations. It is useful wherever a linear reference is more practical than a single point.

Accessory Product

This product is **only the optical pattern head**.

It requires the compatible base unit:

• Red Laser Pointer with Interchangeable Pattern Heads

Not usable without the laser pointer.

Installation

• Unscrew the existing pattern head
• Attach this pattern head to the front of the laser
• No tools required

Can be installed or removed quickly.

Applications

• Alignment
• Reference marking
• Setup positioning
• Visual guides
• Demonstration use

Handling and storage

Keep the optical surface free from dust and fingerprints. Store the pattern head separately when not installed on the laser. Clean only with appropriate optical cleaning materials to avoid scratching the lens.

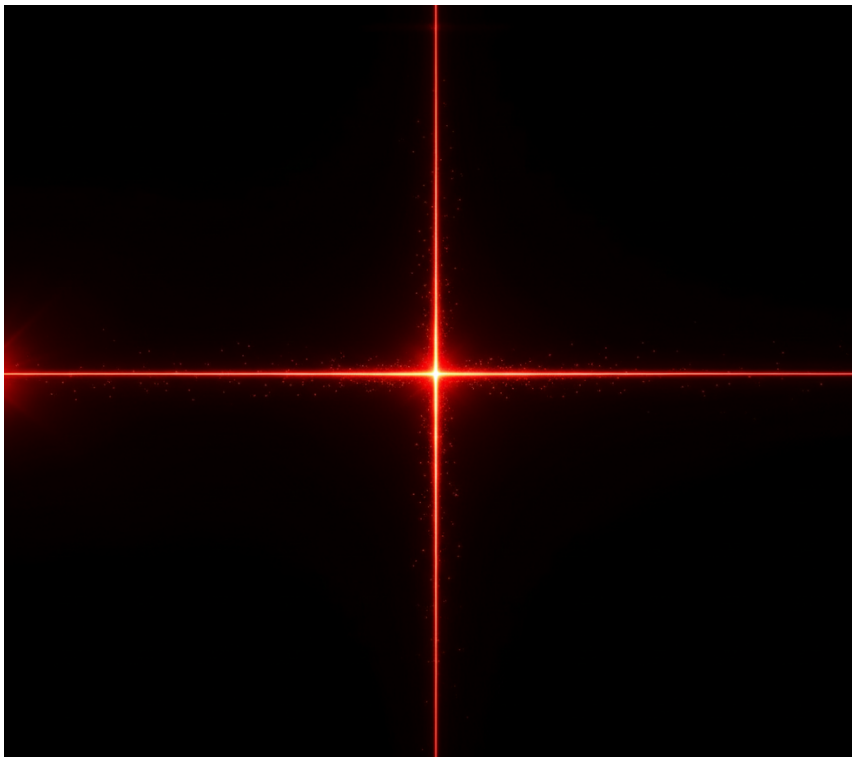
Features

• Projects straight line pattern
• Metal construction
• Threaded mount
• Compact size

Compatibility

• Compatible with: Red Laser Pointer with Interchangeable Pattern Heads
• Not compatible with other laser models.

Crosshair Pattern Head for Red Laser Pointer



SKU: LPPH-CL
Type: simple
Categories: Accessories

Price: 1,222 kr

Crosshair Pattern Head for Red Laser Pointer

This **crosshair pattern head for red laser pointer** base units converts the laser beam into a precise crosshair shape. It is intended for alignment and centering tasks where both horizontal and vertical reference lines are required.

The projected crosshair provides a clear center point and straight reference axes, making it useful for setup work, calibration, and positioning tasks. It allows the laser output to be used as a visual guide instead of a single point.

Accessory Product

This product is **only the optical pattern head**.

It requires the compatible base unit:

• Red Laser Pointer with Interchangeable Pattern Heads

Not usable without the laser pointer.

Installation

• Remove the existing pattern head
• Screw this pattern head onto the front of the laser
• No tools required

Can be installed or removed in seconds.

Applications

• Center alignment
• Target positioning
• Calibration reference
• Visual guides
• Setup and demonstration use

Handling and storage

When not in use, store the pattern head in a dry place to avoid dust on the optical surface. Do not touch the internal lens element directly. If cleaning is required, use a soft air blower or optical cleaning cloth.

Features

• Projects crosshair pattern
• Metal housing
• Threaded mount
• Compact and lightweight

Compatibility

• Compatible with: Red Laser Pointer with Interchangeable Pattern Heads
• Not compatible with other laser models.

CR927 button cell battery - 5pack

SKU: 10276
Type: simple
Categories: Miscellaneous

Price: 1,523 kr

Power for LED Cat6 Cables and Small Devices

The CR927 button cell battery is a compact lithium coin cell designed for low-drain electronics. It delivers a steady 3V output, so connected devices work reliably. Most importantly, this battery is required for our LED Cat6 cable. The built-in LED indicator depends on a CR927 cell to operate correctly. Therefore, using the correct battery size is essential for proper function.

Built for Consistent Performance

These batteries retain their charge for a long time due to low self-discharge. As a result, they are suitable for spare stock and long-term storage. They also provide a stable voltage during use. This helps prevent flicker or failure in LED indicators and ensures accurate operation in other electronics.

Simple Installation and Safe Handling

The CR927 battery is easy to install thanks to its standard coin cell format. Always insert it with the correct polarity. Store unused batteries in a cool, dry place. Keep them out of reach of children. Although small, they deliver dependable lithium power.

Key Benefits

• Stable 3V output
• Long shelf life
• Low self-discharge
• Compact and lightweight
• Required for LED Cat6 cable operation
• Consistent voltage under load

Typical Applications

• LED Cat6 cables
• Wristwatches
• Calculators
• Fitness trackers
• Medical devices
• Small sensors and remotes

Technical Specifications

• Battery type: CR927
• Chemistry: Lithium
• Nominal voltage: 3V
• Shape: Button/coin cell
• Diameter: 9.5 mm
• Height: 2.7 mm
• Operating temperature: Standard consumer range
• Shelf life: Long-term storage capable

Why Choose CR927 Batteries

If your LED Cat6 cable uses a battery-powered indicator, the CR927 is the correct choice. A proper fit ensures stable contact and correct voltage delivery. Moreover, lithium coin cells last longer than alkaline alternatives. This means fewer replacements and lower maintenance.

Choose CR927 button cell batteries for compact size and reliable power for LED Cat6 cables and other small electronics.

MikroTik miniPCIe CAT7 LTE card

SKU: R11e-LTE7
Type: simple
Categories: Board Only, MikroTik Products

Price: 17,282 kr

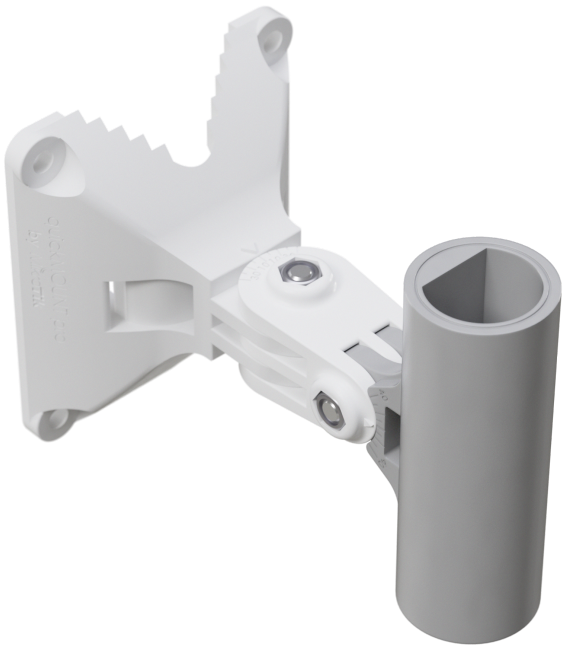
The next-generation miniPCIe LTE CAT7 modem for your RouterBOARDs. Drop-in replacement for FG621-EA – now offering 300 Mbps down / 100 Mbps up, with added Band 32 & Band 28 support.

Perfect for LtAP, RBM33G, or any system with miniPCIe or USB (if you’re using an adapter). Compared to the previous FG621 version, this miniPCIe unit has a smaller form factor, so it should fit better inside more devices. Upgrade your mobile connectivity without changing the whole setup!

Specification

Product code	R11e-LTE7
MTBF	Approximately 100.000 hours at 25°C
Tested ambient temperature	-10°C to 55°C
Max power consumption	5 W
3G Category	R8 (DL: 42.2 Mbps; UL: 5.76 Mbps)
3G bands	1 (2100MHz), 5 (850MHz), 8 (900MHz), 3 (1800MHz)
LTE Category	7 (DL: 300 Mbps; UL: 100 Mbps)
MIMO DL	2x2
MIMO UL	1x1
LTE FDD bands	1 (2100MHz), 3 (1800MHz), 5 (850MHz), 7 (2600MHz), 8 (900MHz), 20 (800MHz), 28 (700MHz), 32 (1500MHz)
LTE TDD bands	38 (2600MHz), 40 (2300MHz), 41 (2500MHz)
TAC	35312597
Certification	CE, RoHS

MikroTik quickMOUNT PRO (QMP)



SKU: QMP
Type: simple
Categories: Antenna, MikroTik Products

Price: 2,579 kr

The quickMOUNT pro is an advanced wall mount adapter for small point-to-point and sector antennas. You can mount it on the wall or use it as an adapter from a large-diameter pole to a small-antenna mounting clip, ensuring a reliable fit.

The quickMOUNT pro allows the antenna to be rotated 140° in both the horizontal and vertical planes. With the quickMOUNT pro, you can perfectly align the antenna using the integrated graduated scale.

You can use the quickMOUNT pro with any pole-mountable device using the included pole adapter, or with devices weighing less than 1.5 kg using MikroTik's small mounting clip (SXT clip adapter).

The adapter is very durable due to its special plastic composite material - anvilNITE (TM).

For the dimensional diagram, click here.

Small Scoop – 11 g 40 × 85 mm

SKU: DS114085
Type: simple
Categories: Miscellaneous

Price: 966 kr

This **small scoop** (approx. 11 g, 40 × 85 mm) is designed for controlled handling of loose desiccant beads, powders, and small granular materials. Its compact size makes it easy to reach into jars, bottles, and narrow-neck containers, enabling clean, precise transfer of silica gel beads into fabric bags, mesh holders, or other humidity-control assemblies.

Ideal for use with our 500 ml jars of blue indicating silica gel beads, the scoop helps you avoid spills and minimize dust. The ergonomic shape fits comfortably in the hand and provides enough capacity to measure and move beads efficiently without over-pouring.

This tool is also useful for scooping other small granules and media — from craft supplies to aquarium additives — whenever precision handling is needed.

Key features

• Compact size: 40 × 85 mm for easy handling
• Lightweight: approx. 11 g
• Easy control: scoop shape designed for narrow-mouth jars
• Multi-use: works with desiccants, granules, beads, powders

Technical details

• Material: lightweight plastic

• Weight: ~11 g
• Dimensions: 40 × 85 mm
• Use case: scooping silica gel beads into bags or containers

Typical applications

• Filling fabric desiccant bags
• Transferring silica gel beads to mesh containers
• Handling small granules or powders
• Craft, hobby, and DIY projects

SG130 Silicone Dielectric Grease – High Voltage Insulating & Sealing Grease

SKU: SG-2
Type: simple
Categories: Miscellaneous

Price: 448 kr

SG130 Silicone Dielectric Grease is a professional-grade insulating and sealing compound formulated with silicone oil and silica thickener. It is engineered to protect electrical and mechanical components from moisture, corrosion, dust, and electrical leakage.

This grease prevents electrical creepage and provides strong dielectric performance. It remains stable at both high and low temperatures, ensuring reliable operation from **-50 °C to +200 °C**. Because of its chemical and colloidal stability, SG130 offers an extremely long service life even in harsh environments.

SG130 is compatible with most plastics, rubbers, and metals. Therefore, it is suitable for a wide range of industrial, automotive, and household applications. It lubricates and seals O-rings, cable glands, connectors, switches, and electrical enclosures. In addition, it can be used for kitchen and bathroom fixtures such as faucets, water valves, and water heaters where waterproof sealing is required.

The grease is translucent white and has a smooth, paste-like consistency. It resists oil, corrosion, and most chemicals. Furthermore, it is non-toxic, odorless, and non-irritating, meeting environmental protection requirements.

The application is simple. Use a brush, grease gun, or manual method. Always apply to clean and dry surfaces. SG130 is supplied in 10g tubes, with a shelf life of 36 months when stored below 40 °C.

If you need long-term electrical insulation, lubrication, and sealing, SG130 Dielectric Grease is a dependable choice for both precision electronics and heavy-duty equipment.

■ Technical Specifications

• Base oil: Silicone oil
• Thickener: Silica
• Additive: Structure modifier
• Appearance: Translucent white
• Consistency: Smooth paste
• NLGI grade: 2
• Penetration (25 °C): 265–295 (0.1 mm)
• Dropping point: Not applicable
• Evaporation loss (200 °C / 22 h): 1.1%
• Oil separation (100 °C / 30 h): 4%
• Copper corrosion (100 °C / 24 h): 1b
• Operating temperature: -50 °C to +200 °C
• Packaging: 10g tube
• Shelf life: 36 months (unopened, below 40 °C)

UNI-T UT685B Kit TDR Cable Tester – RJ11/RJ45/Coax + POE Detection

SKU: UT685B-KIT
Type: simple
Categories: Cable Testers

Price: 33,626 kr

The **UNI-T UT685B Kit** is a professional **Time Domain Reflectometer (TDR) cable tester** designed for comprehensive cable diagnostics across twisted pair (UTP/FTP/SSTP), coaxial and POE network cabling standards. It integrates RJ11, RJ45 and coax test ports to test continuity, length, wire mapping, fault location, and **POE standard detection (802.3AF/AT/BT)** without external adapters.

Key functional modes include:

• Cable length measurement up to 500 m with high resolution (0.33 m) and accuracy.
• Line sequence and open/short fault detection for network and telephone cables.
• Digital hunt wire tracer with remote receiver for locating and identifying cables in bundles.
• Port blink function to map ports on switches/patch panels.

Designed for field use and installation verification, the UT685B Kit improves troubleshooting efficiency for IT infrastructure, low-voltage installations, telecom setups and network maintenance tasks. Built-in protections include CE, UKCA and RoHS compliance.

FM-400 Handheld Fiber Inspection Microscope (400×)

SKU: HHFSCOPE
Type: simple
Categories: Cable Testers, Cables

Price: 14,263 kr

Key features

• 400× optical magnification (single-mode friendly)
• White LED coaxial illumination for clear defect contrast
• Built-in IR laser safety filter (attenuates 850/1310/1550 nm)
• Fine-focus control + momentary LED on/off
• Universal slip-grip adapter (interchangeable interfaces)
• Handheld, battery-powered

Specifications

Item	Value
Magnification	400×
Illumination	White LED, coaxial
LED lifetime	~10,000 hours
Power	3 × AAA batteries
Controls	On/Off LED switch, fine focus
Safety	Built-in laser attenuation filter
Size	225 mm × 32 mm
Weight	~0.6 kg
Adapter	Universal slip-grip

What's included

• FM-400 microscope body
• Universal slip-grip adapter
• Protective caps
• Carry pouch(batteries not always included – check listing)

Usage notes

• For passive fibers only.
• Do NOT view active fibers. Safety filter is not a substitute for proper laser safety.
• Best suited for single-mode fiber inspection (400×).

Barrel Adaptor LC /UPC MM Simplex

SKU: LCLCBarrel
Type: simple
Categories: Cables

Price: 261 kr

This LC/UPC MM simplex barrel adapter is used to join two LC multimode fiber patch cables into a single continuous link. It is a passive coupler designed for clean, low-loss connections in racks, patch panels, and test setups.

The adapter uses a **precision ceramic alignment sleeve** to keep both fibers accurately aligned, ensuring stable optical performance over repeated mating cycles. Ideal for extending existing patch cords or creating temporary links without splicing.

Typical uses:

• Extending LC multimode patch cables
• Joining two LC patch cords
• Lab, rack, and field installations

Key features

• LC/UPC to LC/UPC coupler
• Multimode fiber (OM3, 50/125µm)
• Simplex (single fiber)
• Ceramic alignment sleeve
• Low insertion loss (≤ 0.2 dB)
• Passive adapter (no power required)
• Plastic housing, aqua color

• RoHS compliant

Technical specifications

Parameter	Value
Connector type	LC–LC
Polish type	UPC
Fiber mode	Multimode OM3 (50/125µm)
Body style	Simplex
Insertion loss	≤ 0.2 dB
Alignment sleeve	Ceramic
Durability	1000 mating cycles
Mounting type	Reduced flanged
Housing color	Aqua
Flammability rating	UL 94V-0
Operating temperature	-40 to 85 °C
Storage temperature	-10 to 60 °C
Package quantity	1 pc
Compliance	RoHS

Precision Bubble Spirit Levels – Small Indicator + 32.7 mm Horizontal

SKU: BLVAR
Type: variable
Categories: 3D Printing

Option: Disc **SKU:** BLDSC **Price:** 508 kr
Option: Rect **SKU:** BLST **Price:** 459 kr

These bubble spirit levels are intended for **permanent integration into custom projects** such as 3D printed parts, jigs, fixtures, and craft builds. Instead of using a loose level tool, you can design a recess and embed a level directly into the object itself.

The **small indicator version** is suited for tight spaces and compact prints. The **32.7 mm horizontal version** provides a larger, easier-to-read bubble window for bigger parts such as brackets, camera mounts, shelves, or machine fixtures.

Both variants can be glued or press-fit into a printed or machined pocket, making them ideal for maker projects that must be aligned during installation.

Typical uses:

• Embedded in 3D printed brackets and frames
• Custom jigs and fixtures
• Camera mounts and stands
• Tool holders and racks
• Craft and model projects
• DIY alignment aids

Key Features

• Liquid bubble (spirit level) vial
• Designed for embedding or surface mounting
• Clear, high-contrast bubble
• Two form factors for different project sizes
• Suitable for plastic, wood, or metal housings

Dimensional Specifications

Small Indicator (cylindrical)

• Type: Liquid bubble spirit level
• Shape: Cylindrical
• Length: approx. 15 mm
• Diameter: approx. 10 mm
• Height: approx. 8 mm
• Orientation: Horizontal
• Mounting: Embed, glue, or press-fit

32.7 mm Horizontal (rectangular)

• Type: Liquid bubble spirit level
• Shape: Rectangular vial
• Length: 32.7 mm
• Width: approx. 12 mm
• Height: approx. 12 mm
• Orientation: Horizontal
• Mounting: Embed, glue, or press-fit

Small Precision Funnel – For Refilling 2-in-1 Screen Cleaner Spray (S & XS Sizes)

SKU: SFVARXX
Type: variable
Categories: Miscellaneous

Option: XS **SKU:** SF557 **Price:** 966 kr
Option: S **SKU:** SF6810 **Price:** 1,056 kr

These small precision funnels are ideal for **refilling 2-in-1 Screen Cleaner Spray bottles** and other containers with narrow openings. Their compact size and narrow stems allow controlled pouring of liquids without mess or loss.

Available in two sizes:

• S: 68 × 10 mm
• XS: 55 × 7 mm

Manufactured from durable silicon, these funnels are suitable for use with cleaning fluids, screen cleaners, IPA solutions, and other low-viscosity liquids. They are lightweight, reusable, and easy to clean after use. They collapse for easy storage.

Typical Use

• Refill 2-in-1 screen cleaner spray bottles
• Transfer cleaning liquid into small containers
• Controlled pouring of IPA or screen cleaning fluid

■ Key Features

• Designed for refilling small spray bottles
• Narrow spout for precise pouring
• Two sizes: S (68×10 mm) and XS (55×7 mm)
• Durable silicon construction
• Reusable and easy to clean
• Reduces spills and product waste

■ Applications

• Screen cleaner refill
• Electronics cleaning fluids
• IPA and solvent transfer
• Workshop, lab, and field use

Small Drawstring Fabric Bags – 7 × 12 cm (10 pcs White or Black)

SKU: CDSBAG712
Type: variable
Categories: 3D Printing

Option: Black **SKU:** CDSBAG712-BL **Price:** 1,589 kr
Option: White **SKU:** CDSBAG712-WH **Price:** 1,589 kr

These small drawstring fabric bags are designed for situations where **air must pass freely** while **solid contents stay contained**. The fabric structure allows very high airflow compared to paper or plastic sachets, making them well-suited for DIY desiccant packs using silica gel beads or similar drying media.

In practical testing, air blown directly into the bag passes through the fabric easily, while particles remain inside. This allows moisture to reach the desiccant efficiently without leaking beads or dust. This makes the bags ideal for humidity control in filament-drying boxes, sealed storage containers, camera cases, electronics enclosures, and tool drawers.

For 3D printing, these bags are a simple way to build custom-sized desiccant packs for filament spool storage. Combine them with bulk silica gel beads to create reusable moisture absorbers that fit neatly into filament boxes or dry cabinets. The drawstring closure allows fast filling, emptying, and recharging of the desiccant without mess.

Beyond technical use, these bags also work well as **small gift or party favor bags**. The fabric allows candy or small items to breathe, avoiding condensation that can occur in plastic bags. The drawstring closure gives a clean and presentable look, making them suitable for party favors, small giveaways, sample packaging, or jewelry storage.

The compact 7 × 12 cm size fits into tight spaces while still holding a useful volume of material. Available in white or black for easy visual separation of contents or to match your storage setup.

Key features

• High airflow fabric – moisture reaches contents quickly
• Particle retention – keeps silica gel and small items contained
• Reusable – refill and reuse as needed
• Drawstring closure – quick and secure sealing
• Compact size – ideal for tight storage or small gifts

Technical details

• Size: 7 × 12 cm
• Material: Breathable fabric
• Closure: Drawstring
• Colors: White or Black
• Pack size: 10 bags per pack
• Intended use: Desiccant packs, humidity control, or small gift bags

Typical applications

• 3D printer filament spool storage
• Dry boxes and sealed containers
• Camera and electronics cases
• Tool drawers and spare parts boxes
• Party favors and small gift packaging

Kemi Isopropanol (IPA) 98–99% – Cleaner for 3D Printer Beds & Fiber Connectors

SKU:
Type: variable
Categories: 3D Printing

Option: Spray **SKU:** b504 **Price:** 2,329 kr
Option: Bottle **SKU:** 785011 **Price:** 2,416 kr

Precision cleaning for 3D printing and fiber optics

Isopropanol cleaner for 3D printers and fiber connectors provides fast, residue-free removal of grease, dust, and fingerprints. This high-purity isopropanol (98–99%) is ideal for maintaining clean build plates and reliable optical connections.

A clean build surface is essential for good first-layer adhesion. IPA removes fingerprints, grease, and plastic residue from PEI, glass, and coated printer beds without leaving residue. Therefore, it helps reduce print failures and improves repeatability.

Fiber connectors require careful handling and contamination-free surfaces. Isopropanol dissolves oils and light contamination from connector end faces when used with proper lint-free wipes or cleaning sticks. As a result, signal loss and connection errors are reduced.

In addition, this product is suitable for general technical cleaning. It is commonly used for electronics, optics, tools, and surface preparation before bonding or coating. Because it evaporates quickly, it does not require rinsing and leaves no streaks.

You can choose between two packaging formats. The 500 ml bottle is suitable for controlled dispensing and refilling. The spray version allows quick application directly on printer beds, tools, and work surfaces.

This product is an effective **isopropanol cleaner for 3D printers** and other technical surfaces.

For best results, apply to a lint-free cloth and wipe the surface gently. Allow the surface to air dry before use. Always test on sensitive materials first.

Technical specifications

• Chemical name: Isopropanol / Isopropyl alcohol
• Purity: 98–99%
• Appearance: Clear, colorless liquid
• Odor: Alcohol
• Evaporation: Fast
• Residue: None
• Typical uses: Cleaning 3D printer beds (PEI, glass, coated plates) Cleaning fiber connectors and optical surfaces Degreasing metal parts Electronics and tool cleaning Surface preparation before bonding
• Packaging: 500 ml bottle 500 ml spray bottle

Safety and handling

• Highly flammable liquid
• Use in well-ventilated areas
• Avoid eye contact
• Keep away from heat and open flames
• Store tightly closed at room temperature

Fiber Optic Connector Cleaner Pen – SC/FC/ST & LC/MU (MM 900 Cleans)

SKU: FPCPHQ
Type: variable
Categories: Cables

Option: SKU: CPLCMUHQ **Price:** 2,244 kr
Option: SKU: CPSCFCHQ **Price:** 2,244 kr

This fiber-optic connector cleaner pen is designed for fast, effective cleaning of multimode fiber connector end faces. It removes dust, oil, and contamination from connectors inside adapters (bulkheads) and from patch cord plugs.

The pen uses **optical-grade fine fiber filaments (microfiber cleaning strips)** to safely clean the ferrule without scratching. Each activation advances fresh cleaning tape and provides consistent results for up to **900 cleaning operations per pen**.

Two variants are available to match common connector ferrule sizes:

• 2.5 mm version for SC, FC, and ST connectors
• 1.25 mm version for LC and MU connectors

The one-click push mechanism makes cleaning quick and repeatable, making this tool suitable for installers, technicians, and network maintenance.

Features

• Dry cleaning – no liquid required
• Optical-grade microfiber cleaning tape
• Up to 900 cleans per pen

• Cleans connectors in adapters and patch cord plugs
• Single-unit retail packaging
• Designed for multimode fiber connectors

■ Technical Specifications

Parameter	SC/FC/ST Variant	LC/MU Variant
Ferrule size	2.5 mm	1.25 mm
Connector types	SC / FC / ST	LC / MU
Fiber type	Multimode (MM)	Multimode (MM)
Cleaning cycles	~900	~900
Cleaning method	Dry microfiber tape	Dry microfiber tape
Packaging	Single unit	Single unit

Kimtech™ Low-Lint Cleaning Wipes – IPA Wet Cleaning for Fiber & Patch Cable Connectors

SKU: KLFCW
Type: simple
Categories: Miscellaneous

Price: 1,610 kr

Kimtech™ Cleaning Wipes are professional-grade, low-lint wipes designed for **precision cleaning of fiber-optic connectors and patch-cable end faces when dry-cleaning** methods fail.

When connectors are contaminated with oils, fingerprints, or embedded debris, **wet cleaning with IPA** is required. These wipes provide a clean, controlled surface for applying isopropyl alcohol and safely removing stubborn contamination without scratching or shedding fibers.

Typical Use Case

1. Apply a small amount of IPA to the wipe
2. Gently clean the connector end face
3. Follow with a dry wipe or dry cleaner tool

Key Benefits

• Low-lint material – safe for optical surfaces
• Ideal for IPA wet cleaning of connectors
• Removes oils, grease, and heavy contamination
• Suitable for fiber optic and network patch cables

Screen Cleaning Kit 500 ml – Spray Bottle + Microfiber Cloth

SKU: ScreenClean500
Type: simple
Categories: Miscellaneous

Price: 2,571 kr

This screen cleaning kit includes a 500 ml trigger spray bottle and a microfiber cleaning cloth for routine maintenance of displays and electronic surfaces. The alcohol-free, streak-free formula lifts fingerprints, dust, and light grease without damaging coatings.

Designed for daily or on-demand cleaning in offices, workshops, and IT environments. The trigger spray provides controlled application, while the microfiber cloth captures residue without scratching.

Suitable for:

• Computer monitors and laptops
• TVs and display panels
• Tablets and smartphones
• Glass and smooth plastic surfaces

Not intended for:

• Direct spraying into ports or openings
• Abrasive scrubbing
• Industrial degreasing

Key features

• 500 ml ready-to-use cleaning solution
• Trigger spray head for controlled dosing
• Alcohol-free and streak-free formula
• Includes microfiber cleaning cloth
• Safe for coated screens and lenses
• Reusable bottle

Technical specifications

Parameter	Value
Volume	500 ml
Application	Trigger spray
Formula	Alcohol-free
Included	Spray bottle + microfiber cloth
Use	Screens, glass, smooth plastics
Packaging	Retail poly bag

MikroTik SolidRack 10

SKU: SR-10U
Type: simple
Categories: MikroTik Products, Miscellaneous

Price: 13,831 kr

Have you checked out the SolidRack 10? Mount it under the table or put it on the table – like we do in our testing department. You can even attach a multi-plug extension cord to the back of this sturdy and lightweight aluminium rack.

The package includes screws for 10 devices, as well as nuts and screws for mounting the rack itself. While this is not a revolutionary product, we hope it can make the lives of system administrators, engineers, and testers a little bit easier.

Compatible with all MikroTik (and other vendor!) devices that would fit in a standard 19” rack. But there’s more! With the small K-79 accessory kit, you can fit up to four RB5009UG+S+IN routers in a single 1U rackmount space or up to 40 routers in total!

MikroTik SMA male to SMA male cable (1m)

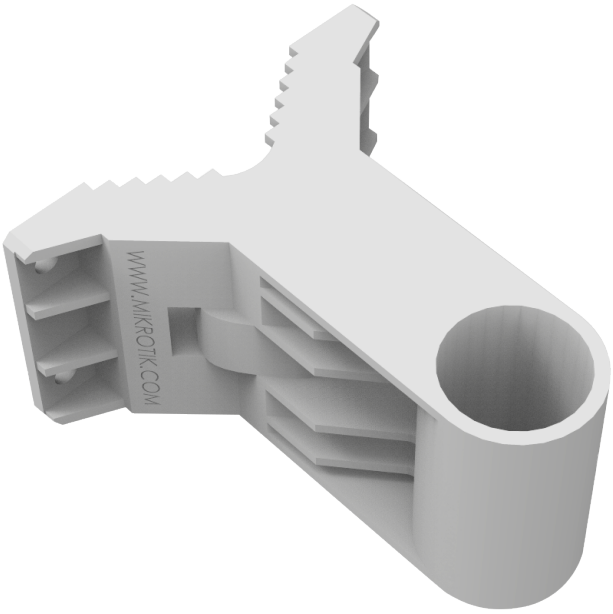
SKU: SMASMA
Type: simple
Categories: Antenna, Cables, MikroTik Products

Price: 2,810 kr

1m SMA male-to-SMA male cable that can be used to connect your LTE card (with ACSMAUFL pigtail) to an external antenna if you are using the wAP R kit (there are special openings in the wAP R enclosure designed for these cables). 50 Ohm impedance.

Frequency Band	DC-2.7GHz
Temperature range	-40°C to +85°C
Max. attenuation	≤0.9dB (DC-2.7GHz)

MikroTik quickMOUNT



SKU: QM
Type: simple
Categories: MikroTik Products, Miscellaneous

Price: 1,817 kr

The quickMOUNT is a basic wall mount adapter for small point-to-point and sector antennas.

You can mount it on the wall or use it as an adapter from a large-diameter pole to a small-antenna mounting clip, ensuring a reliable fit. The quickMOUNT allows the antenna to be rotated 190°.

With the quickMOUNT, it is possible to simultaneously mount two SXTs, thus creating a repeater access point or creating large sector coverage.

MikroTik mANT LTE 5o LTE antenna with two SMA connectors

SKU: MTAO-LTE-5D-SQ
Type: simple
Categories: Antenna, MikroTik Products

Price: 5,748 kr

The mANT LTE 5o LTE antenna is an omnidirectional outdoor antenna specifically designed for LTE frequencies. It is an excellent companion to our LTE devices, such as the wAP LTE and LtAP series. The antenna has a 5 dBi gain, improving your LTE signal in areas with inadequate coverage, allowing you to increase your connection speed.

It has two omnidirectional cross-polarized 2x2 MIMO antennas inside the enclosure. The type of coaxial cable used in the official SMASMA 1m cable accessory is LMR195. Please note that using a longer cable will increase the cable's attenuation.

MikroTik LtAP LTE7 kit

SKU: LtAP-2HnD&R11e-LTE7;
Type: simple
Categories: 802.11b, 802.11g, 802.11n, LTE, MikroTik Products, WAP

Price: 44,322 kr

LtAP LTE7 wireless kit

The new LtAP LTE7 wireless kit takes everything people love about LtAP – the rugged, weatherproof case, built-in GPS, extreme power flexibility, and miniPCIe expansion options - and adds our latest LTE Category 7 modem for a huge real-world improvement!

Higher speed, stability, and throughput are not the only benefits of the new modem. It comes with expanded frequency support, including Band 32 for better performance in congested areas and during roaming.

Same trusted LtAP form factor – no changes to installation or configuration. Just faster uploads, stronger rural performance, and a noticeably better price.

Perfect for logistics, transport & tracking

Just like in the previous model, you get 3 MiniSIM slots for automatic roaming as your vehicle crosses borders. Two internal LTE antennas keep things compact, while U.FL connectors allow external antennas for even better long-distance work. Built-in GPS (via SMA connector) makes the LtAP ideal for fleet tracking, mobile video systems, asset security, and location-aware monitoring.

Whether it’s delivery trucks, buses, forklifts, agricultural machines, or utility fleets – LtAP keeps everything online and traceable in real time. The LtAP enclosure has also proven itself in public transport and other

busy areas: extremely durable, discreet, and far less attention- grabbing than traditional routers.

The virtue of versatility

LtAP is designed to run in nearly any environment. It supports a DC jack, Passive PoE-in, and an Automotive power connector!

Users have even run the device from power banks in the field. And because LtAP includes two miniPCIe slots, you can expand it with a second LTE modem, a 5 GHz interface, or other add-ons – building exactly the setup you need.

Powered by RouterOS v7 – automate, adapt, and configure anything to your liking!

Firewalling, VPNs, VLANs, DHCP, routing policies, advanced notifications, GPS data processing, and custom scripts – RouterOS v7 gives you full control. No paywalls, no subscriptions, only pure functionality… forever! We have been making our own software since 1996. With each new version, our priority remained the same: to provide users with the freedom to explore different setups and always have the right tools for the job.

Specification

Product code	LtAP-2HnD&R11e-LTE7;
Architecture	MMIPS
CPU	MT7621AT
CPU core count	2
CPU nominal frequency	880 MHz
CPU Threads count	4
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200,000 hours at 25°C
Tested ambient temperature	-40°C to 70°C
Number of DC inputs	3 (DC jack, PoE-IN, Automotive)
DC jack input Voltage	12-30 V
Automotive input Voltage	12-27 V
Max power consumption	24 W
Max power consumption without attachments	12 W
PoE in	Passive PoE
Cooling type	Passive
PoE in input Voltage	12-30 V
3G Category	R8 (DL: 42.2 Mbps; UL: 5.76 Mbps)
3G bands	1 (2100 MHz), 3 (1800 MHz), 5 (850 MHz), 8 (900 MHz)
LTE Category	7 (DL: 300 Mbps; UL: 100 Mbps)
MIMO DL	2x2
MIMO UL	1x1
LTE FDD bands	1 (2100 MHz), 3 (1800 MHz), 5 (850 MHz), 7 (2600 MHz), 8 (900 MHz), 20 (800 MHz), 28 (700 MHz), 32 (1500 MHz)
LTE TDD bands	38 (2600 MHz), 40 (2300 MHz), 41 (2500 MHz)
TAC	35312597
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz Number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2.5
Wireless 2.4 GHz chip model	AR9382

Wireless 2.4 GHz generation	Wi-Fi 4
10/100/1000 Ethernet ports	1
Number of SIM slots	3 Modem (Mini SIM)
MiniPCI-e slots	2
Serial console port	RS232
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1
PCB temperature monitor	Yes
Voltage Monitor	Yes
GNSS standards	GPS
Certification	CE, EAC, RoHS
Ingress Protection	IP54

Included parts

MikroTik hAP ax S

SKU: E62iUGS-2axD5axT
Type: simple
Categories: ! Featured Products !, Home AP, MikroTik Products

Price: 20,948 kr

hAP ax S with RouterOS L4, International version

The hAP ax S is MikroTik's most cost-effective Wi-Fi 6 access point yet. Triple-chain 5 GHz radio (up to 900 Mbit/s throughput), dual-band Wi-Fi 6, 5x Gigabit Ethernet ports, and a 2.5G SFP. Powered by a dual-core ARM CPU, with PoE-in/PoE-out flexibility, a standard DC jack, USB, and a sturdy high-end enclosure that can be mounted on the wall.

Triple-chain 5 GHz	2.5G SFP Port	Wi-Fi 6 radio (Dual-Band)
5 × Gigabit Ethernet	PoE-in + PoE-out	RouterOS v7
Dual-Core ARM CPU		

Meet the new hAP ax S

Our most cost-effective Wi-Fi 6 access point yet

It costs far less than most mid-range, mass-produced routers… while delivering far more flexibility and longevity right out of the box!

Triple-chain 5 GHz:

The key to stable, gigabit-class Wi-Fi

Enjoy dual powering options – DC jack or PoE-in – and a passive PoE-out port to power another MikroTik device, such as an additional AP or a compact desktop switch. This makes it ideal for both home setups and small offices where clean cable management matters.

Your network, your rules

RouterOS v7

Despite the low price, the hAP ax S runs a full version of RouterOS v7, the most flexible networking software on the market.

Free with all the features

In the age of growing data security and privacy challenges, RouterOS gives you complete control – with no subscriptions, no upsells, no locked features. Whether you're configuring your first Wi-Fi network through the MikroTik app or building complex topologies, RouterOS v7 grows with you.

Limitless possibilities

VLANs, firewalls, VPN tunnels, traffic shaping, scripting, SMS automation – the possibilities are endless. For example, you can easily isolate IoT devices into separate subnets to protect your home network from unwanted access via the smart fridge or those flashy LED light hubs.

Technical Specification

• Product code: E62iUGS-2axD5axT
• Architecture: ARM 32bit
• CPU: EN7562CT
• CPU core count: 2
• CPU nominal frequency: 950 MHz
• CPU Threads count: 2
• Switch chip model: EN7523
• RouterOS license: 4
• Operating System: RouterOS v7
• Size of RAM: 512 MB
• Storage size: 128 MB
• Storage type: NAND
• MTBF: Approximately 100'000 hours at 25C
• Tested ambient temperature: -40°C to 70°C

Wireless capabilities

• Wireless 2.4 GHz Max data rate: 574 Mbit/s
• Wireless 2.4 GHz Number of chains: 2
• Wireless 2.4 GHz standards: 802.11b/g/n/ax
• Antenna gain dBi for 2.4 GHz: 5.5

• Wireless 2.4 GHz chip model: MT7916
• Wireless 2.4 GHz generation: Wi-Fi 6
• Wireless 5 GHz Max data rate: 2400 Mbit/s
• Wireless 5 GHz Number of chains: 3
• Wireless 5 GHz standards: 802.11a/n/ac/ax
• Antenna gain dBi for 5 GHz: 6.5
• Wireless 5 GHz chip model: MT7976
• Wireless 5 GHz generation: Wi-Fi 6
• WiFi speed: AX3000

Ethernet

• 10/100/1000 Ethernet ports: 5
• Number of 1G Ethernet ports with PoE-out: 1

Fiber

• SFP ports: 1 (2.5G supported)

Peripherals

• Number of USB ports: 1
• USB Power Reset: Yes
• USB slot type: USB type A
• Max USB current (A): 1

Powering

• Number of DC inputs: 2 (DC jack, PoE-IN)
• DC jack input Voltage: 12-28 V
• Max power consumption: 34 W
• Max power consumption without attachments: 11 W
• PoE in: Passive PoE
• Cooling type: Passive
• PoE in input Voltage: 18-28 V

PoE-out

• PoE-out ports: Ether 5
• PoE out: Passive PoE
• Low voltage PoE-Out current limit: 0.6 A
• Max total out (A): 0.6 A
• Total output current: 0.6
• Total output power1: 6.8

Certification & Approvals

• Certification: CE, FCC, IC, EAC, ROHS
• IP: 20

Other

• CPU temperature monitor: Yes

Included parts

Wireless Test Results – 2.4 GHz

Rate	Transmit (dBm)	Receive Sensitivity (dBm)
1 MBit/s	24	-100
11 MBit/s	24	-94
6 MBit/s	23	-96
54 MBit/s	21	-80
MCS0	22	-96
MCS7	20	-75
MCS9	19	-70
MCS11	15	-67

Wireless Test Results – 5 GHz

Rate	Transmit (dBm)	Receive Sensitivity (dBm)
6 MBit/s	23	-96
54 MBit/s	21	-81
MCS0	23	-96
MCS7	20	-77
MCS9	20	-72
MCS11	18	-69

Ethernet Test Results

Mode	Configuration	1518 byte	512 byte	64 byte
Bridging	none (fast path)	4132.4 Mbps	1593.5 Mbps	219 Mbps
Bridging	25 bridge filter rules	2315.1 Mbps	806.8 Mbps	105.5 Mbps
Routing	none (fast path)	3646.6 Mbps	1394.7 Mbps	186.1 Mbps
Routing	25 simple queues	2102.3 Mbps	713.8 Mbps	93.5 Mbps
Routing	25 IP filter rules	1430.3 Mbps	498.1 Mbps	63.6 Mbps

IPsec Test Results

Mode	Configuration	1400 byte	512 byte	64 byte
Single tunnel	AES-128-CBC + SHA1	351.7 Mbps	142.5 Mbps	20.2 Mbps
256 tunnels	AES-128-CBC + SHA1	188.2 Mbps	72.1 Mbps	10.1 Mbps
256 tunnels	AES-128-CBC + SHA256	189.3 Mbps	73.3 Mbps	10.2 Mbps
256 tunnels	AES-256-CBC + SHA1	188.2 Mbps	72.1 Mbps	10.2 Mbps
256 tunnels	AES-256-CBC + SHA256	189.3 Mbps	73.3 Mbps	10.3 Mbps

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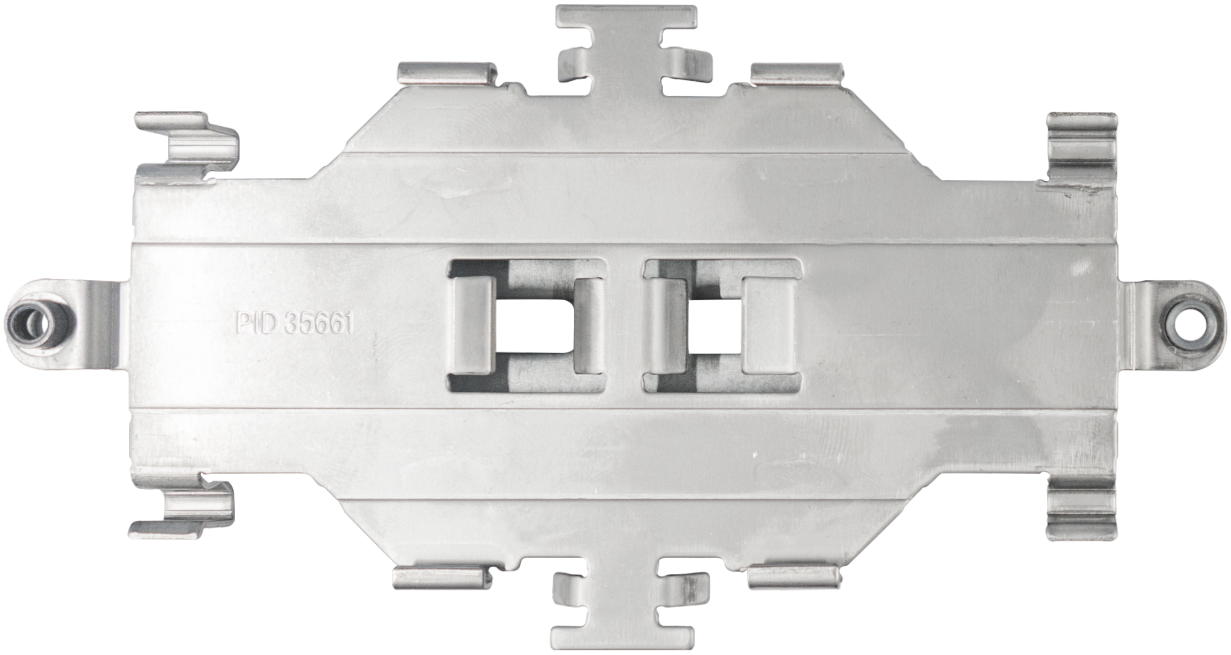
MikroTik DRP-LTM - DINrail PRO kit for LtAP mini



SKU: DRP-LTM
Type: simple
Categories: MikroTik Products, Miscellaneous

Price: 2,810 kr

DRP-LTM. DINrail PRO is a mounting bracket for the LTAP mini series products, designed to fit standard 35 mm × 7.5 mm DIN rails. This bracket allows installing the LTAP mini next to industrial control equipment, such as water meters, and in equipment racks. The mounting bracket is made of metal and includes a metal ring.

Compatibility

• MikroTik LtAP mini
• MikroTik LtAP LTE kit

Technical Specifications

• Material: steel
• Mount type: DIN rail
• SKU: DRP-LTM

MikroTik APA-1 Automotive Power Adapter

SKU: APA-1
Type: simple
Categories: MikroTik Products, Powersupply

Price: 8,320 kr

APA-1. Failed car battery, harness coupling, jump-starting, or even just switching the AC unit – nasty voltage spikes can occur anywhere, anytime! The built-in gas■discharge tube is an elegant, clever solution. Usually, this gas, secured within a tiny glass tube, does not conduct electricity. However, when a high voltage is applied, the gas becomes ionized, enabling a new low-resistance path for the excess voltage to flow. Excess voltage that otherwise might have fried your devices!

Another layer of protection is the TVS (transient-voltage suppressor) semiconductor. This layered combination protects your devices from extreme voltage spikes. We've also added active polarity protection, so your devices stay safe even if you plug in the power cord in reverse by accident. Additionally, there's a built-in low-pass filter to block all unwanted impulses, and a standard fuse for extra

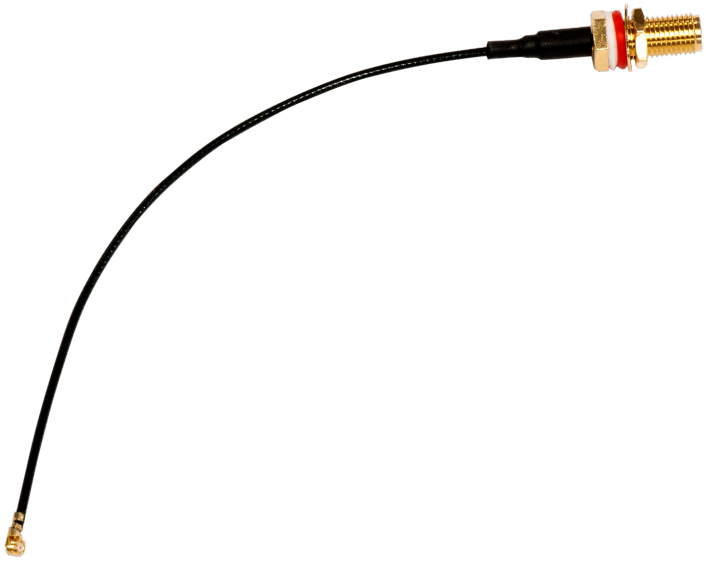
protection.

The output voltage can be easily modified via jumper position, but there's also a pass-through mode – in case you don't need input voltage regulation. Remember: preventing a crisis is always cheaper than fixing it!

Specification

Product code	APA-1
MTBF	Approximately 100,000 hours at 25°C
Tested ambient temperature	-40°C to 85°C
Number of DC inputs	1
Max power consumption	100 W
Cooling type	Passive
Certification	CE, E-MARK, EAC, RoHS
Ingress Protection	IP20

MikroTik ACSMAUFL - U.fl to SMA Female pigtail



SKU: ACSMAUFL
Type: simple
Categories: Antenna, MikroTik Products

Price: 2,736 kr

ACSMAUFL. U.fl-SMA female pigtail, which can be used to connect your Modem (LTE/LoRa/Wireless card) with U.fl connectors to an external antenna.

All-in-One Optical Fiber Cable Tester (OPM + VFL + Basic Test Tool)

SKU: GOMM
Type: simple
Categories: Cable Testers

Price: 9,588 kr

The **All-in-One Optical Fiber Cable Tester** is a compact handheld diagnostic instrument combining a **digital optical power meter (OPM)** and a **visual fault locator (VFL)** into a single, portable tool. It is built to support quick fiber verification, continuity checks, and general fiber cabling diagnostics — ideal for field technicians, installers, and maintenance teams.

This unit typically includes measurement across multiple fiber wavelengths and a **bright visible laser** for easily locating breaks, bends, and connector issues. Its universal interface supports common connector types including **SC, FC, and ST**. The rugged, lightweight design ensures straightforward operation in datacenter, enterprise, and FTTH installations.

Key Features

• All-in-one handheld fiber tester with optical power meter and visual fault locator (VFL)

• Measures fiber power levels across multiple wavelengths (typical range includes common telecom bands)
• VFL red laser for quick continuity and fault detection
• Supports SC, FC, ST optical connectors
• Compact design for field use and easy transport
• Rechargeable or battery-powered options available depending on seller

Typical Applications

• Quick fiber link verification and power checks
• Break, bend, and connector fault tracing
• Routine maintenance on fiber links
• FTTH and enterprise cabling diagnostics

Technical Overview

• Functions: Optical power meter + Visual fault locator (VFL)
• Commonly supported wavelengths for OPM: a range covering major fiber bands
• VFL wavelength: typically ~650 nm red laser
• Connector types: SC / FC / ST
• Form factor: Handheld

This tester is useful for everyday checks and quick field diagnostics, though it **is not a standards-grade calibrated loss tester** (e.g., it does not include a true multimode light source or insertion-loss testing capability). For full loss measurement, a calibrated light source or separate professional meter should be added.

Noyafa NOYAFA NF-919 Optical Multimeter (Power Meter Light Source & VFL)

SKU: NF-919
Type: simple
Categories: Cable Testers

Price: 29,208 kr

The **NOYAFA NF-919 Optical Multimeter** is a compact, multifunction fiber test instrument that combines an optical power meter, a stabilized laser light source, and a visual fault locator (VFL) in a single unit. It is designed for technicians who need reliable measurements across both single-mode and multimode fiber networks.

The optical power meter supports **six calibrated wavelengths (850, 1300, 1310, 1490, 1550, and 1625 nm)**, covering common multimode and single-mode applications. This enables accurate power and attenuation measurements across telecom, data center, and access networks.

The built-in light source outputs at **1310 nm and 1550 nm**, making it suitable for insertion loss and end-to-end link testing. The integrated **650 nm VFL** provides visible red light for continuity checking and fault location on short fiber runs.

With a clear LCD display, simple controls, and universal SC/FC connector compatibility, the NF-919 is practical for field work, datacenters, and structured cabling environments. Its all-in-one design reduces tool count while maintaining measurement flexibility.

Key Features

• Integrated optical power meter, light source, and VFL
• Six power meter wavelengths: 850 / 1300 / 1310 / 1490 / 1550 / 1625 nm

• Dual-wavelength light source: 1310 nm & 1550 nm
• 650 nm visual fault locator for fiber tracing and break detection
• Supports single-mode and multimode fiber
• Compatible with SC and FC connectors
• Clear LCD display with simple operation
• Portable design for field and lab use

Typical Applications

• Fiber installation and commissioning
• Insertion loss and attenuation measurement
• Continuity testing and fault location
• FTTH, telecom, and enterprise fiber networks
• Datacenter and structured cabling verification

Technical Overview

• Power meter wavelengths: 850 / 1300 / 1310 / 1490 / 1550 / 1625 nm
• Light source wavelengths: 1310 / 1550 nm
• VFL wavelength: 650 nm
• Fiber types: Single-mode and multimode
• Functions: Optical power meter, light source, VFL
• Connector type: SC / FC
• Display: LCD

The NOYAFA NF-919 Optical Multimeter provides a practical, all-in-one solution for routine fiber measurements across both multimode and single-mode networks, reducing equipment load while maintaining accurate results.

Fiberoptic Patch Cables – OM3 / OM4 LSZH Various Lengths & Connectors

SKU: FiberPatch
Type: variable
Categories: Cables

Option: 4m,LC/LC,OM4,Duplex **SKU:** LCLCOM4DMM-4M **Price:** 883 kr
Option: 2m,LC/LC,OM4,Duplex **SKU:** LCLCOM4DMM-2M **Price:** 745 kr
Option: 50cm,SC/SC,OM3,Simplex **SKU:** SCSCOM3SMM-50cm **Price:** 635 kr
Option: 50cm,FC/FC,OM3,Simplex **SKU:** FCFCOM3SMM-50cm **Price:** 658 kr
Option: 50cm,LC/LC,OM3,Simplex **SKU:** LCLCOM3SMM-50cm **Price:** 635 kr
Option: 50cm,LC/FC,OM3,Simplex **SKU:** LCFCOM3SMM-50cm **Price:** 432 kr
Option: 50cm,LC/ST,OM3,Simplex **SKU:** LCSTOM3SMM-50cm **Price:** 432 kr
Option: 50cm,LC/SC,OM3,Simplex **SKU:** LCSCOM3SMM-50cm **Price:** 424 kr
Option: 6m,LC/LC,OM3,Duplex **SKU:** LCLCOM3DMM-6M **Price:** 893 kr
Option: 4m,LC/LC,OM3,Duplex **SKU:** LCLCOM3DMM-4M **Price:** 800 kr
Option: 2m,LC/LC,OM3,Duplex **SKU:** LCLCOM3DMM-2M **Price:** 704 kr

Fiberoptic patch cables OM3 OM4 LSZH. These fiber-optic patch cables are designed for reliable, low-loss optical connections in professional network environments. This product range contains a mix of **OM3 and OM4 multimode fibers**, supplied as **simplex and duplex cables**, with a consistent **2 mm outer diameter** and **LSZH (Low Smoke Zero Halogen) jacket**.

Because installation needs differ, this product group includes multiple **lengths and connector combinations**. This makes it easy to choose the correct patch cable for switches, SFP modules, patch panels, and fiber distribution frames. All cables are factory-terminated and **individually tested** to ensure stable and repeatable optical performance.

Each patch cable is delivered in a sealed plastic bag with its **own printed test report and serial number**. The label shows measured **insertion loss and return loss** values. This provides traceability and confirms that the cable meets optical performance requirements before installation.

OM3 fiber supports 10 Gbps links up to 300 meters. OM4 fiber supports higher bandwidth and longer distances, making it suitable for modern Ethernet and storage networks. Therefore, these patch cables are well-suited for data centers, server rooms, and structured cabling systems.

The **LSZH jacket** improves safety in indoor environments by producing low smoke and no halogen gases in the event of a fire. In addition, the slim 2 mm design improves airflow and simplifies routing in dense racks.

The connectors are precisely polished to reduce insertion loss and back reflection. As a result, signal quality remains stable even in demanding installations. Whether you need short patch leads within a rack or longer runs between cabinets, this range provides a consistent, professional solution.

Technical specifications

• Fiber type: Multimode OM3 and OM4
• Core/cladding: 50/125 µm
• Cable type: Simplex and duplex
• Jacket diameter: 2 mm
• Jacket material: LSZH (Low Smoke Zero Halogen)
• Connector types: Mixed (LC, SC, ST depending on variant)
• Lengths: Multiple options (depending on variant)
• Polish: UPC
• Factory test: Individually tested with printed results
• Traceability: Unique serial number per cable
• Application: Data centers, LAN, SAN, patch panels, switches

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High Power N52 Neodymium Disc Magnets – 2 mm Thick (4 mm & 8 mm Dia)

SKU: N52N352
Type: variable
Categories: 3D Printing

Option: 8mm **SKU:** N52N352-8 **Price:** 2,334 kr
Option: 4mm **SKU:** N52N352-4 **Price:** 1,743 kr

High Power N52 Neodymium Disc Magnets are designed for applications requiring a strong magnetic force in a compact form. Available in two diameters — 4 mm and 8 mm — both with a 2 mm thickness, these rare earth magnets provide reliable holding power and precision.

Perfect for hobbyists, makers, and engineers embedding magnets into 3D printed objects, models, craft projects, and modular assemblies. Their high coercivity and strong pull force make them suited for snap-fit connections, magnetic catches, closures, and interactive components.

Uses:

• Embedding in 3D printed parts for snap-together features
• Craft & hobby magnetic assemblies
• Magnetic closures, catches, and connectors
• Educational models and prototyping

Features:

• Grade N52 neodymium for high field strength
• Smooth disc shape with consistent thickness
• Two size options to suit varied design needs
• Strong pull force relative to compact footprint

Note: Handle with care — neodymium magnets are brittle and can pinch skin or damage electronics if not kept at safe distances.

Key Features

• Magnet Type: Neodymium (NdFeB), Grade N52
• Thickness: 2 mm
• Diameters: 4 mm and 8 mm (variable)
• Shape: Disc
• Finish: nickel-plated
• Applications: 3D printing, craft, hobby, prototyping

Raspberry Pi 5 Stack Adapter

SKU: RaspStackAdapt
Type: simple
Categories: Compute

Price: 2,337 kr

Stack Adapter for Raspberry Pi 5 Case

The **Stack Adapter** is designed to work seamlessly with the custom 3D-printed Raspberry Pi 5 case. It allows you to securely stack multiple cases, making it ideal for building clusters, labs, or multi-board setups.

Modular Expansion Made Easy

With this adapter, you can expand your Raspberry Pi environment vertically without sacrificing stability. The adapter locks cases together, ensuring proper alignment and airflow between stacked units. Whether you're running multiple Pis for development, testing, or parallel workloads, the stack adapter keeps everything organized.

Durable and Practical Design

Printed in **black PLA**, the adapter matches the case's finish and provides lightweight yet sturdy support. Its design ensures that each stacked unit remains accessible, with full port availability for USB, HDMI, Ethernet, and GPIO. The adapter is easy to install and remove, making reconfiguration simple.

Technical Specifications

• Material: Black PLA (3D printed)
• Compatibility: Custom Raspberry Pi 5 case
• Function: Enables secure stacking of multiple cases
• Design: Locking mechanism for stability and airflow
• Finish: Matte black, lightweight, and durable
• Installation: Tool-free, quick setup

Build Your Cluster

Pair the stack adapter with the custom Raspberry Pi 5 case to create a **scalable, modular system**. Perfect for educators, developers, and hobbyists who want to expand their projects with ease.

NOTE: This is just the adapter, nothing else, no case or anything else.

3D-Printed Raspberry Pi 5 Case

SKU: RaspCaseStack
Type: simple
Categories: Compute

Price: 4,828 kr

Custom Case for Raspberry Pi 5

This **3D-printed Raspberry Pi 5 case** is designed with practicality and expandability in mind. Made from durable **black PLA**, it provides a sleek, professional look while ensuring reliable protection for your board.

Room for Cooling and Expansion

Unlike standard cases, this enclosure has **dedicated space for the Official Raspberry Pi Active Cooler** and the **M.2 HAT+ expansion board**. That means you can enjoy high-performance cooling and NVMe storage upgrades without compromise. The case design ensures proper airflow and easy access to ports.

Stackable Design

Need more than one Pi in your setup? This case is **stackable** thanks to a **special stack adapter (sold separately)**. Whether you're building a cluster, lab environment, or multi-board workstation, the modular design makes scaling simple and efficient.

Technical Specifications

• Material: Black PLA (3D printed)
• Compatibility: Raspberry Pi 5
• Supports: Official Raspberry Pi Active Cooler + M.2 HAT+
• Stackable: Yes, with optional stack adapter
• Access: Full port availability (USB, HDMI, Ethernet, GPIO)
• Cooling: Optimized airflow for Active Cooler
• Finish: Matte black, lightweight yet sturdy

Designed for Makers

This case is ideal for developers, educators, and hobbyists who want a **flexible, expandable enclosure** that grows with their projects.

Gudga GUDGA M.2 NVMe 2242 SSD PCIe 3.0

SKU:
Type: variable
Categories: Compute, Storage & Memory

Option: 512GB **SKU:** GFM2-512 **Price:** 16,039 kr
Option: 256GB **SKU:** GFM2-256 **Price:** 9,664 kr

High-Speed Storage in Compact Form

The **GUDGA Factory Fast Speed M.2 NVMe 2242 SSD** delivers blazing-fast performance in a small footprint. Available in **256GB and 512GB capacities**, it's designed for laptops, mini-PCs, and embedded systems, such as Raspberry Pi with a M.2 Hat+, and other systems where space is limited but speed is essential.

PCIe 3.0 NVMe Performance

With **read speeds up to 3500 MB/s** and **write speeds up to 3000 MB/s**, this SSD ensures rapid boot times, smooth multitasking, and quick file transfers. Powered by **3D NAND flash**, it balances speed, endurance, and efficiency for everyday computing and professional workloads.

Built for Reliability

The GUDGA NVMe 2242 SSD comes with a **5-year warranty** and certifications including **FCC, CE, and RoHS**, ensuring compliance and long-term dependability. Its compact **2242 form factor** makes it ideal for systems with limited space, while OEM/ODM customization options are available for integrators.

Technical Specifications

• Form factor: M.2 2242
• Interface: PCIe 3.0 NVMe
• Capacities: 256GB, 512GB
• Sequential Read: Up to 3500 MB/s
• Sequential Write: Up to 3000 MB/s
• NAND type: 3D NAND Flash
• Application: Laptop, desktop, embedded systems
• Warranty: 5 years
• Certifications: FCC, CE, RoHS
• Origin: Guangdong, China

Compact Powerhouse

Whether upgrading a laptop or building a custom embedded solution, the GUDGA M.2 NVMe 2242 SSD offers the perfect balance of **speed, size, and reliability**.

Vacuum Storage Bags for 3D Printer Filament – Reusable Filament Storage (Bags Only or Pump Kit)

SKU: 3DBags
Type: variable
Categories: ! Featured Products !, 3D Printing

Option: AAA **SKU:** VM08D-20D **Price:** 11,276 kr
Option: None **SKU:** 3D20T **Price:** 3,216 kr
Option: Rechargeable **SKU:** VM06-20D **Price:** 9,664 kr
Option: Wired **SKU:** V8D-20D **Price:** 8,052 kr

Moisture is one of the biggest enemies of 3D printing filament. These vacuum storage bags are designed to protect filament from **humidity, dust, and air exposure**, helping to maintain consistent print quality and extend filament lifespan.

The bags are made from **multi-layer PA+PE material** with a thickened structure and **a double-zip seal** for reliable airtightness. A built-in vacuum valve allows air to be removed using a compatible pump, keeping the filament dry during storage.

The bag size is suitable for **most standard 0.5kg to 1kg filament spools**, covering over 90% of common spool designs.

This product is available in **two purchasing options**:

■ Purchase Options

■ *Option 1 – Bags Only*

For users who already own a pump or prefer manual evacuation.

Includes:

• 20 vacuum storage bags

■ *Option 2 – Complete Kit (Pump + Bags + Desiccant)*

Each kit includes:

• 20 vacuum storage bags
• Vacuum pump (choose type)
• 20 desiccant packs

Pump variants available:

• USB Powered PumpPowered directly via USB cable.
• Rechargeable USB PumpInternal rechargeable battery; charges via USB charger.
• AAA Battery PumpRuns on standard AAA batteries.

All pump variants include **20 bags** and **20 desiccant packs**.

■ Key Features

• Designed for 3D printer filament spools
• Moisture-proof and dust-proof storage
• Reusable vacuum seal design
• Multi-layer PA+PE material
• Double zip seal with vacuum valve
• Compatible with most 0.5kg–1kg spools
• Helps prevent: Stringing Nozzle clogging Bubbles Poor layer adhesion

■ Technical Specifications

Specification	Value
Bag size	approx. 34 × 32 cm
Compatible spools	0.5kg – 1kg
Material	PA + PE multi-layer
Seal	Double zip seal + vacuum valve
Reusable	Yes
Protection	Moisture, dust, air

■ Package Contents

Bags Only:

• 20 × vacuum storage bags

Kit Versions:

• 20 × vacuum storage bags
• 1 × vacuum pump (selected type)
• 20 × desiccant packs

Desiccant Packs (30g) – for 3D Filament Storage & General Moisture Control

SKU:
Type: variable
Categories: 3D Printing

Option: 20 **SKU:** 30GFGDCC-20 **Price:** 6,440 kr
Option: 10 **SKU:** 30GFGDCC-10 **Price:** 3,949 kr

Moisture is the enemy of reliable 3D printing. These **30g desiccant packs** are designed to actively absorb humidity inside sealed containers, making them ideal for **3D printer filament storage**, dry boxes, and airtight bins. Wet filament leads to stringing, bubbling, weak layer bonding, and inconsistent extrusion. Using desiccant packs is the simplest and most cost-effective way to extend filament life and maintain print quality.

Each pack contains high-efficiency moisture-absorbing material sealed inside a breathable sachet that allows humidity to enter while preventing dust or residue from escaping. They are safe to use with PLA, PETG, ABS, Nylon, TPU, and specialty filaments.

Besides 3D printing, these desiccant packs are suitable for many general-purpose applications, including electronics storage, camera cases, toolboxes, sample containers, shipping boxes, and any environment requiring humidity control. These are certified food safe Calcium Chloride packs

They are supplied in **30g sachets**, available in:

• Pack of 10
• Pack of 20

This size is well-suited for common filament storage boxes and vacuum-sealed filament bags. Multiple packs can be combined to fill larger containers or for high-humidity environments.

Using desiccant in filament storage reduces the need for frequent drying and improves print consistency. Simply place one or more sachets inside a sealed container with your filament spool and replace or regenerate when saturated.

■■ Technical Details

• Sachet size: 30g per pack
• Available quantities: 10-pack or 20-pack
• Function: Moisture and humidity absorption
• Use cases: 3D printer filament storage Dry boxes and sealed bins Electronics and optics storage Tools, spare parts, and shipping containers
• Packaging: Individual breathable sachets
• 30g Food Grade Desiccant Calcium Chloride Packs

USB Rechargeable Red Laser Pointer with Interchangeable Pattern Heads

SKU: URLP
Type: simple
Categories: Accessories

Price: 4,833 kr

Red Laser Pointer with Interchangeable Pattern Heads

This **red laser pointer with interchangeable pattern heads** is designed for alignment, positioning, and visual reference. The compact USB-rechargeable unit allows the beam to be changed with different optical heads, making it suitable for workshops, demonstrations, and optical applications.

This laser system supports multiple projection styles. The included matrix pattern head converts the laser dot into a grid-style pattern. Optional crosshair and straight line pattern heads can be added to expand functionality.

Included Pattern Head

This product is supplied with:

• Matrix pattern head – projects a grid-style dot matrix pattern

Optional accessories sold separately:

• Crosshair pattern head
• Straight line pattern head

Interchangeable Optics System

Pattern heads screw directly onto the front of the laser unit. This allows fast switching between projection styles without tools. Adapt for different alignment and reference tasks by simply changing the optical head.

Features

• USB rechargeable battery
• Compact metal housing
• Interchangeable optical pattern heads
• Bright red laser output
• Push-button operation

What’s in the box

• Red laser pointer base unit
• Matrix pattern head
• USB charging cable

Important notes

• Optional pattern heads are accessories and require this base unit to operate.
• Do not look directly into the laser beam.

Technical overview

• Laser color: Red
• Power: USB rechargeable
• Pattern system: Threaded optical heads
• Body: Metal
• Operation: Single button

Habotest HT107 Intelligent LCD Plug Phase Meter Socket Tester

SKU: HT107D
Type: simple
Categories: Gift Ideas

Price: 8,052 kr

Smart Phase Detection Made Easy

The **HT107 Intelligent LCD Plug Phase Meter** is a compact tool designed to quickly identify phase sequence and wiring conditions. With its clear LCD, it provides instant feedback on voltage, phase rotation, and wiring status, making it ideal for electricians, engineers, and DIY users.

This model is self-powered, so no batteries are required, unlike other models.

Accurate and Reliable Performance

This device supports a **90V–250V AC voltage range**, ensuring compatibility with most household and industrial outlets. It detects live, neutral, and ground lines, helping prevent wiring errors and ensuring safe installations. The HT107 is especially useful for troubleshooting three-phase systems, as it provides precise phase rotation detection.

User-Friendly Design

Lightweight and portable, the HT107 fits easily into your toolkit. Its plug-and-play design allows you to test circuits instantly without a complex setup. The LCD screen displays results clearly, even in low-light environments, reducing guesswork and improving efficiency.

Technical Specifications

• Model: HT107
• Voltage Range: 90V–250V AC
• Function: Phase rotation and wiring detection
• Display: LCD screen
• Plug Type: EU/US options available
• Dimensions: 12 × 8 × 5 cm
• Weight: 0.15 kg
• Warranty: 1 year
• Origin: Guangdong, China

Why Choose HT107 Intelligent LCD Plug Phase Meter?

Transition smoothly between projects with this intelligent tester. It saves time, enhances safety, and ensures accurate results. Whether for professional or home use, the HT107 delivers dependable performance every time.

DColor Smart TV stick Android Dcolor GD1 4K

SKU: DCGD1
Type: simple
Categories: Gift Ideas

Price: 12,009 kr

DColor Certified Android TV Stick – Stream Without Limits

The DColor certified Android TV stick is a compact streaming device that plugs directly into your TV's HDMI port. With full Google Play Protect certification, it supports all major apps, including Netflix, Disney+, YouTube, and Prime Video.

Compact Stick Design

Slim and lightweight, the DColor TV stick hangs neatly behind your television. Its portable build saves space and keeps your entertainment setup clean. The compact nature also means you can configure it at home and then take it with you when you travel.

Just plug the stick into the HDMI port on any TV, power it up, connect to the local WiFi or your travel hotspot, and you are ready to stream as if you were at home.

Certified for Popular Apps

Unlike uncertified devices, this stick is fully approved to run Netflix, Disney+, and other premium streaming services. That means you enjoy smooth playback, HD-quality video, and reliable updates directly from app stores.

Features and Technical Specs

• Certified Android OS: Google Play Protect approved
• Popular app support: Netflix, Disney+, YouTube, Prime Video, and more
• HD video playback: Clear and sharp viewing with 4K quality
• Stick design: Compact, plugs directly into HDMI
• Stable connection: Wi■Fi and Bluetooth support
• Portable size: Perfect for travel or home use

Easy to Use

Simply plug the stick into your TV, connect to Wi■Fi, and start streaming. With certification, you get seamless updates and guaranteed compatibility with the apps you love.

Smart TV Box Android 12 Dcolor GD2 Set Top Box 4K

SKU: DCGD2
Type: simple
Categories: ! Featured Products !, Gift Ideas

Price: 12,880 kr

DColor Certified Android TV Box – Premium Streaming with Dolby Atmos

The DColor certified Android TV box is a powerful streaming device designed for home entertainment. With full Google Play Protect certification, it supports all major apps, including Netflix, Disney+, YouTube, and Prime Video.

Immersive Audio and Stunning Visuals

Enjoy cinema■quality sound with **Dolby Atmos** support. Every detail comes alive with rich, multidimensional audio that fills your room. Pair that with **4K HDR resolution**, and you get sharp, vibrant visuals with enhanced contrast and color accuracy. Together, they deliver a premium viewing experience that rivals professional home theaters.

Box Design with More Power

Unlike compact stick models, this TV box offers better sound quality, more connectors, and larger memory capacity. That means smoother performance, richer audio, and flexibility to connect external devices.

Features and Technical Specs

• Certified Android OS: Google Play Protect approved
• Popular app support: Netflix, Disney+, YouTube, Prime Video, and more
• Dolby Atmos audio: Immersive, multidimensional sound
• 4K HDR resolution: Sharp, vibrant, and lifelike visuals
• Expanded memory: Larger storage for apps and smooth performance
• More connectors: HDMI, USB, and expansion ports for flexibility
• Stable connection: Wi■Fi and Bluetooth support
• Box design: Compact yet powerful for home setups

Easy to Use

Simply connect the box to your TV, log in to your accounts, and start streaming. With certification, you get reliable updates and premium app support every time.

Instant Read Digital Meat Thermometer

SKU: IRDMT
Type: simple
Categories: Gift Ideas

Price: 2,167 kr

Cook with Precision Every Time

The **Instant Read Digital Meat Thermometer** ensures your meals are cooked to perfection. With a fast response time of just 2–3 seconds, it delivers accurate readings so you can avoid undercooked or overcooked food. Whether grilling outdoors or preparing dinner in the kitchen, this thermometer is your reliable cooking companion.

Easy-to-Read and Durable Design

Featuring a **backlit LCD**, this Instant Read Digital Meat Thermometer provides clear visibility even in low-light conditions. Its **IP66 waterproof rating** protects against splashes and spills, making it safe to use around busy kitchens and BBQ setups. Lightweight and portable, it fits easily into your cooking toolkit.

Built for Everyday Use

Powered by a single AAA battery, this thermometer offers long-lasting performance. The 120mm stainless steel probe provides accurate readings across a wide temperature range, from **-58°F to 572°F (-50°C to 300°C)**. Designed for convenience, it helps you monitor meat, poultry, fish, and even baked goods with confidence.

Technical Specifications

• Display: Backlit LCD
• Response Time: 2–3 seconds
• Accuracy: ±1°C (±2°F)
• Measuring Range: -58°F to 572°F (-50°C to 300°C)
• Probe Size: 120mm
• Waterproof Rating: IP66
• Battery: 1 × AAA
• Weight: 60g
• Warranty: 12 months

Why Choose the Instant Read Digital Meat Thermometer?

Transition smoothly from kitchen to grill with this versatile thermometer. It saves time, improves safety, and ensures consistent cooking results.

Cordless Handheld Vacuum Cleaner

SKU: Q208
Type: simple
Categories: ! Featured Products !, Gift Ideas

Price: 11,276 kr

Portable Handheld Vacuum Cleaner – High Suction, Cordless Convenience

Keep every corner of your space spotless with this **versatile, portable powerful handheld vacuum cleaner**. Whether you're cleaning your car, home, office, or tackling pet hair, this compact device delivers professional■grade suction in a lightweight design.

■ *Key Features*

• High Suction Power: A powerful motor ensures deep cleaning of dust, crumbs, and debris.
• Cordless & Rechargeable: Freedom to clean anywhere with USB charging or car adapter options.
• Multi■Purpose Use: Perfect for cars, sofas, desks, kitchens, and travel.
• Versatile Attachments: Includes crevice nozzle, brush tool, and extension hose for precision cleaning.
• Low Noise Design: Powerful yet quiet operation for comfortable use.
• Easy Maintenance: Transparent dust container for quick disposal and washing.

■■ *Technical Specifications*

Specification	Details
Voltage	12V DC
Power Output	120W – 150W
Suction Power	Up to 9000 Pa
Battery Capacity	2000–4000 mAh
Charging Method	USB cable / Car adapter
Noise Level	≤ 70 dB
Dust Capacity	0.4 – 0.6 L
Weight	0.8 – 1.2 kg
Material	ABS + electronic components
Accessories	Crevice nozzle, brush head, extension hose

■ *Why Choose This Portable Handheld Vacuum Cleaner?*

• Compact yet powerful for multi■surface cleaning.
• Ideal for home, office, travel, and car use.
• Lightweight design makes it easy to carry anywhere.
• Strong suction tackles pet hair, dust, and everyday messes.

Aneng ANENG AC10+ Digital Display Multimeter

SKU: AAC10Plus
Type: simple
Categories: Gift Ideas

Price: 6,440 kr

The **ANENG AC10+ Digital Display Multimeter Socket Tester** is designed for quick and accurate detection of wiring issues. With its clear digital display, you can easily identify circuit problems in **EU plug types**. This tester helps ensure safety by checking zero, fire, and ground lines, making it an essential tool for electricians, DIY enthusiasts, and homeowners.

Just install two AAA batteries, plug it into the socket, and see your results.

Compact and Easy to Use

Lightweight and portable, the AC10+ fits comfortably in your toolkit. Its intuitive design allows you to plug in and test instantly. The bright display provides real-time feedback, reducing guesswork and improving efficiency.

Built for Safety and Durability

Crafted from high-quality materials, this tester supports 220V and comes with a **1-year warranty**. Whether you're troubleshooting outlets or verifying installations, the AC10+ delivers reliable performance every time.

Technical Specifications

• Model: AC10+
• Voltage Range: 220V
• Application: Socket tester, circuit breaker detection
• Display: Digital screen
• Warranty: 1 year
• Dimensions: 18 × 9 × 8 cm
• Weight: 0.140 kg
• Origin: Guangdong, China

Why Choose ANENG AC10+?

Transitioning from one project to another is seamless with this tester. It saves time, enhances safety, and provides peace of mind. With its compact build and dependable accuracy, the AC10+ is the wise choice for everyday electrical testing.

Noyafa Noyafa NF-8601S Multifunction TDR Network Cable LAN Tester with PoE/PING/Port Flash Function

SKU: NF-8601S
Type: simple
Categories: Gift Ideas

Price: 48,344 kr

Multifunction Cable Testing Made Easy

The **Noyafa NF■8601S Multifunction Cable Tester** is a professional tool built for accuracy and versatility. With advanced TDR technology, it measures cable length and locates faults with precision. Supporting RJ45, RJ11, and BNC, this tester is the all■in■one solution for modern networking.

Key Features

• Wide Compatibility: Tests Ethernet, telephone, and coaxial
• Accurate Fault Location: Detects opens, shorts, miswires, and split pairs.
• TDR Measurement: Pinpoints distance to faults up to 1000m.
• PoE Testing: Identifies voltage, polarity, and pins delivering power for PoE ports
• PING Function: Quickly checks network connectivity and verifies IP status.
• Port Flash Function: Flashes the connected port for easy identification.
• Data Export: Save and share results via TF card.
• Rechargeable Battery: Long■lasting 1800mAh lithium pack.
• Color Display: 2.8■inch LCD with clear interface.

Applications

• LAN and telephone line testing
• CCTV and coaxial cable maintenance
• Professional IT infrastructure setup

■ Why Buy NF■8601S?

• Covers more cable types than NF■8209 and NF■8506
• Offers advanced fault location with TDR, not just detection
• Adds PoE, PING, and Port Flash functions for complete network diagnostics
• Provides professional data export for documentation and compliance
• Future■proof with support for CAT7 cables

■ If you want one tester that does it all — LAN, telephone, and coaxial — with pinpoint accuracy and professional features, the **NF■8601S is the wise investment**.

Noyafa Cable Tester Comparison

Feature / Model	NF■8209	NF■8506	NF■8601S
Cable Types	RJ45, RJ11	RJ45, RJ11	RJ45, RJ11, BNC,
Fault Detection	Opens, shorts, miswires	Opens, shorts, miswires	Full wiremap + TDR distance to fault
Length Measurement	Up to 500m	Up to 200m	Up to 1000m with TDR accuracy
PoE Testing	Basic IEEE 802.3af/at	Standard + non■standard	Voltage, polarity, and pin detection
PING Function	✗	✔	✔ (advanced IP connectivity check)
Port Flash Function	✗	✗	✔ (easy port identification)
Data Export	✗	✗	✔ (TF card storage & reporting)
Display	Simple LCD	LCD with port info	2.8■inch color LCD
Battery	AAA batteries	Rechargeable lithium	1800mAh rechargeable lithium
Best For	Budget LAN checks	Mid■range IT troubleshooting	Professional all■in■one solution

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M.2 NVMe NGFF SSD Enclosure USB 3.2 Gen 2 Aluminum Case

SKU: EncM2NGFF
Type: simple
Categories: Storage & Memory

Price: 4,820 kr

M.2 NVMe & NGFF SSD Enclosure – USB 3.2 Gen 2 External Drive Case

Convert your M.2 NVMe or NGFF (SATA) SSD into a portable, high-speed external drive with this compact aluminum enclosure. Ideal for system builders, IT professionals, and everyday users looking to repurpose spare drives or expand storage on the go.

Key Benefits

• Compatible with both NVMe (PCIe) and NGFF (SATA) M.2 SSDs for broad drive support
• Tool-free or single-screw installation for quick and easy drive swaps
• Compact, pocket-sized design fits easily in a bag or laptop case
• Aluminum shell provides passive heat dissipation to maintain drive performance
• Plug-and-play operation – no drivers required on Windows, macOS, or Linux
• USB-C connectivity with backward compatibility via included cable
• Supports UASP (USB Attached SCSI Protocol) for reduced CPU usage and faster transfer speeds
• Suitable for M.2 2230, 2242, 2260, and 2280 form factors

Technical Specifications

Attribute	Value
Drive Interface	M.2 NVMe (PCIe) and NGFF (SATA)
Supported Form Factors	2230, 2242, 2260, 2280
Host Interface	USB 3.2 Gen 2 (10 Gbps)
Connector	USB-C
Transfer Protocol	UASP supported
Max Transfer Speed	Up to 10 Gbps (drive dependent)
Power Supply	Bus-powered via USB
Shell Material	Aluminum alloy
Operating Systems	Windows, macOS, Linux
Driver Required	No – plug and play

What's in the Box

• M.2 SSD enclosure
• USB-C to USB-A cable
• USB-C to USB-C cable
• Mounting screw and screwdriver
• User manual

Whether you're cloning a drive, creating a fast backup solution, or simply recycling a replaced SSD, this M.2 enclosure delivers reliable performance in a durable, travel-ready package.

USB 3.0 External Enclosure for 2.5-Inch SATA HDD and SSD

SKU: Enc2.5SSD
Type: simple
Categories: Storage & Memory

Price: 4,828 kr

2.5-Inch USB 3.0 External Hard Drive Enclosure for HDD and SSD

Convert any 2.5-inch SATA hard drive or solid-state drive into a portable external storage device with this slim, tool-free enclosure. Compatible with both HDD and SSD drives up to 9.5mm thick, it connects via USB 3.0 for fast, reliable data transfer.

• Supports 2.5-inch SATA I, II, and III HDDs and SSDs
• USB 3.0 interface with backward compatibility to USB 2.0
• Tool-free, screwless installation for quick drive swaps
• Plug-and-play — no drivers required on Windows, macOS, and Linux
• Compact, lightweight design ideal for travel and everyday use
• Supports drives up to 4TB capacity
• LED indicator for power and data activity
• USB-powered — no external power adapter needed

Technical Specifications

Attribute	Value
Compatible Drive Type	2.5-inch SATA HDD and SSD
Interface (Drive Side)	SATA I / II / III
Interface (PC Side)	USB 3.0 (USB-A)
USB 2.0 Compatible	Yes (backward compatible)
Max Drive Capacity	Up to 4TB
Max Drive Thickness	9.5mm
Max Transfer Speed	Up to 5Gbps (USB 3.0)
Power Source	Bus-powered via USB
Driver Required	No — plug and play
OS Compatibility	Windows, macOS, Linux
LED Indicator	Power and data activity
Installation	Tool-free, screwless

Smart Android 14 ATV TV Box

SKU: ATV14ST
Type: simple
Categories: Gift Ideas

Price: 12,009 kr

Android 14 TV Box – Smart and Affordable

This Android 14 TV box is designed to bring smart entertainment to your home. The latest Android 14 operating system offers smooth performance, easy navigation, and access to a wide range of apps.

Fast and Reliable Performance

Powered by a modern processor, the TV box ensures quick app launches and responsive streaming. It supports high■definition video playback, making it ideal for YouTube, local media files, and other compatible apps.

Compact and Easy to Use

The slim design fits neatly into any entertainment setup. Because it is lightweight and portable, you can move it between rooms or take it with you when traveling.

Features and Technical Specs

• Android 14 OS: Latest system for smooth performance
• HD video support: Clear and sharp playback
• App compatibility: Works with many Android apps (note: Netflix and Disney are not supported)
• Compact design: Fits easily into any setup
• Stable connection: Wi■Fi and Bluetooth support
• USB and HDMI ports: Connect external devices with ease
• Affordable price: Smart features at a budget■friendly cost

Honest Note on Compatibility

This box is NOT Google Play Protect certified. This means some of the most popular apps do not work. While this TV box supports many Android apps, it does **not support Netflix playback as stated on the packaging**. It is best used for Plex, Kodi, YouTube, local media, and other compatible streaming services. This is a closeout sale. We will not be getting more of this make/model

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Magnetic Power Bank 5000mah Wireless

SKU: MagPBW5000
Type: simple
Categories: ! Featured Products !, Gift Ideas, Powersupply

Price: 6,440 kr

Magnetic Wireless Power Bank – Compact and Fast

The magnetic wireless power bank is designed to keep your devices charged quickly and conveniently. With 20W fast charging and a 5000mAh battery, it provides reliable backup power for smartphones and other compatible devices. Its magnetic design ensures a secure fit, making wireless charging efficient and straightforward.

Compact and Portable Design

Slim and lightweight, this power bank attaches directly to the back of your phone. Because it is easy to carry, you can use it at home, in the office, or while traveling. If your phone doesn't have a built-in magnetic ring, glue the included ring to your phone.

Fast and Reliable Charging

With 20W output, the power bank delivers quick charging to reduce downtime. The 5000mAh capacity provides enough power for multiple charges, keeping your devices ready throughout the day.

Features and Technical Specs

• 20W fast charging: Quick and efficient power delivery
• Magnetic design: Secure attachment for wireless charging
• 5000mAh capacity: Reliable backup power
• Compact size: Easy to carry and store
• Wireless charging: No cables required for compatible devices
• Durable build: Made for daily use
• Universal compatibility: Works with most smartphones

Easy to Use

Simply attach the power bank to your phone and start charging. The magnetic connection keeps it secure, while the wireless design eliminates cable clutter.

IP-TV Banana X1 Android TV Stick

SKU: IPTVBX1
Type: simple
Categories: Gift Ideas

Price: 10,573 kr

Banana Android TV Stick – Compact and Affordable

The Banana Android TV Stick is a slim streaming device that plugs directly into your TV's HDMI port. With support for IPTV services, it delivers smooth playback, easy navigation, and access to a wide range of Android apps.

Compact Stick Design

Unlike bulky TV boxes, this Android TV stick hangs neatly behind your television. Its lightweight build saves space and keeps your entertainment setup clean.

Reliable Performance

Powered by Android OS, the Banana TV Stick ensures responsive menus and stable streaming. It supports HD video playback, making it suitable for IPTV channels, YouTube, and other compatible apps.

Features and Technical Specs

• Android OS: Smooth and responsive system
• BananaTV App: Includes a trial of the Banana IPTV app with access to over 5000 free movies and shows worldwide. A lot of great international content.
• IPTV support: Access to IPTV channels and apps
• HD video playback: Clear and sharp viewing
• Stick design: Compact, plugs directly into HDMI
• Stable connection: Wi■Fi and Ethernet support
• USB and HDMI ports: Connect external devices with ease
• Affordable price: Smart features at a budget■friendly cost

Honest Note on Certification

This TV stick is **not Google Play Protect certified**. Apps like Netflix and Disney+ are not supported. It is best used for IPTV services, YouTube, and other compatible Android apps, like Plex, Kodi, and local Scandinavian apps.

Nespresso Capsule Recycler

SKU: NCRecycler
Type: simple
Categories: ! Featured Products !, Gift Ideas

Price: 8,982 kr

Eco-Friendly Nespresso Capsule Recycler – Sustainable and Practical

The eco-friendly Nespresso capsule recycler makes green living simple. Made from durable ABS plastic, it provides a clean, efficient way to collect used Nespresso capsules for recycling by separating the coffee grinds from the aluminum capsules.

Promote Responsible Recycling

By using this recycler, you reduce waste and support a more sustainable lifestyle, and can sort the coffee grinds into the compostable container and aluminum capsules into the metal container.

Durable and Long■Lasting Design

Built with strong ABS plastic, the recycler is resistant to wear and easy to clean. Its compact size fits neatly into any kitchen or café, making sustainable habits simple to adopt.

Features and Technical Specs

• ABS plastic build: Durable and reusable material
• Eco-friendly use: Collects Nespresso capsules for recycling

• Compact design: Fits easily in kitchens or cafés
• Easy to clean: Simple maintenance for daily use
• Supports sustainability: Reduces waste and promotes green living
• Reusable solution: Encourages responsible recycling habits

Easy to Use

Simply place your used Nespresso capsules in the recycler. When full, transfer them to a recycling system. It’s a small step that makes a big difference for the environment. See photos for more details

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SYONG 5-in-1 USB-C Docking Station Hub with 4K HDMI 100W PD

SKU: 5n1dock-C
Type: simple
Categories: Accessories

Price: 5,787 kr

SYONG 5-in-1 USB-C Docking Station – Expand Your Laptop's Connectivity

The SYONG 5-in-1 USB-C Docking Station transforms a single USB-C port into five versatile connections, giving you a streamlined, clutter-free workspace without sacrificing performance. Compatible with MacBook, Windows laptops, Chromebooks, and USB-C tablets, this compact hub is built for professionals and students who need reliable, fast connectivity on the go.

Key Features

• 5-in-1 design expands one USB-C port into multiple connections simultaneously
• 4K HDMI output for sharp, clear external display mirroring or extension
• USB-C Power Delivery (PD) pass-through keeps your laptop charged while you work
• Two USB-A 3.0 ports for high-speed data transfer up to 5Gbps
• Plug-and-play setup – no drivers or software installation required
• Compact, portable form factor fits easily in a laptop bag or backpack
• Aluminum alloy shell for durability and passive heat dissipation
• Compatible with MacBook Pro, MacBook Air, Dell XPS, HP Spectre, Surface Pro, and more

Technical Specifications

Attribute	Value
Model	SYONG 5-in-1 USB-C Hub
Total Ports	5
HDMI Output	1 x HDMI 2.0 (up to 4K @ 30Hz)
USB-A Ports	2 x USB-A 3.0 (up to 5Gbps)
USB-C Data Port	1 x USB-C (data transfer)
USB-C PD Port	1 x USB-C Power Delivery (up to 100W pass-through)
Host Connection	USB-C (Thunderbolt 3/4 compatible)
Power Delivery	Up to 100W pass-through charging
Data Transfer Speed	Up to 5Gbps (USB 3.0)
Shell Material	Aluminum alloy
Cable Length	Approx. 12cm / 4.7 inches
Dimensions	Approx. 110 x 38 x 14mm
Weight	Approx. 65g
OS Compatibility	macOS, Windows, Chrome OS, Android
Plug-and-Play	Yes – no drivers required

Who Is This For?

Whether you are working from a coffee shop, a home office, or a conference room, the SYONG 5-in-1 USB-C Docking Station gives you the ports you need without the bulk of a traditional dock. Connect an external 4K monitor, transfer files from a USB drive, charge your laptop, and connect a mouse and keyboard – all through one USB-C connection.

Aneng Basic Network Cable Tester RJ45/RJ11

SKU: NCTBasic
Type: simple
Categories: Gift Ideas

Price: 3,216 kr

Reliable Cable Testing Made Simple

The **ANENG M469D RJ45 RJ11 Network Cable Tester** is a must■have tool for IT professionals, electricians, and home users. Designed to detect faults in LAN cables and telephone lines quickly, this tester ensures your connections are always secure and efficient.

Simple enough for anyone to use, inexpensive enough so that everyone can have their own. Simple yet efficient

Key Features

• Dual Compatibility: Works with RJ45 Ethernet cables and RJ11 telephone lines.
• Accurate Detection: Identifies open circuits, shorts, miswires, and split pairs.
• Portable Design: Lightweight and compact, easy to carry in toolkits.
• Durable Build: Made with high■quality materials for long■term use.
• Easy Operation: Clear LED indicators provide instant results.

Why Choose The ANENG M469D RJ45 RJ11 Network Cable Tester ?

Network downtime can be costly. With this tester, you can quickly troubleshoot issues before they escalate. Its simple interface makes it suitable for both beginners and professionals. Transitioning between cable types is seamless, saving time and effort.

Applications

• Office network maintenance
• Home internet troubleshooting
• Telephone line testing
• IT infrastructure setup

Benefits

• Reduce troubleshooting time
• Improve connection reliability
• Prevent costly repairs

Invest in the ANENG M469D RJ45 RJ11 Network Cable Tester today and keep your network running smoothly.

M.2 NVMe NGFF Dual Protocol USB 3.2 Type-C SSD Docking Station

SKU:
Type: variable
Categories: Storage & Memory

Option: NVME+NGFF **SKU:** M2NGFF **Price:** 6,432 kr
Option: NVME **SKU:** M2NVME **Price:** 4,820 kr

M.2 SSD Docking Station – Dual Protocol NVMe & NGFF USB 3.2 Type-C

This compact M.2 SSD docking station supports both NVMe and NGFF (SATA) protocols, giving you flexible compatibility with a wide range of M.2 drives. Using a USB 3.2 Gen 2 Type-C interface, it delivers fast, reliable data transfer speeds for backup, file migration, or portable storage use. Available in two configurations: NVMe-only or dual-protocol NVMe/NGFF, allowing you to choose the right version for your drive type.

• Supports NVMe (PCIe) and NGFF (SATA) M.2 SSDs in dual-protocol model
• USB 3.2 Gen 2 Type-C interface for high-speed data transfer
• Plug-and-play – no drivers required on most operating systems
• Compatible with Windows, macOS, and Linux
• Compact and portable design – ideal for on-the-go storage access
• Supports M.2 SSD form factors: 2230, 2242, 2260, 2280
• Tool-free installation for quick and easy drive insertion
• Backwards compatible with USB 3.0 and USB 2.0 ports via adapter

Technical Specifications

Attribute	Value
Interface (Host)	USB 3.2 Gen 2 Type-C
Supported Protocols	NVMe (PCIe) / NGFF (SATA) – model dependent
Available Modes	NVMe Only | NVMe + NGFF Dual Protocol
Supported M.2 Form Factors	2230, 2242, 2260, 2280
Max Transfer Speed	Up to 10 Gbps (USB 3.2 Gen 2)
OS Compatibility	Windows 7/8/10/11, macOS, Linux
Power Supply	Bus-powered via USB
Driver Required	No (plug-and-play)
Backwards Compatibility	USB 3.0, USB 2.0

6-Inch Reusable Hook and Loop Cable Ties 100-Pack Black

SKU: HL6in
Type: simple
Categories: Accessories, Cables

Price: 3,216 kr

6-Inch Reusable Hook and Loop Cable Ties – 100-Pack

Keep cables, cords, and wires organized at home, in the office, or on the go with these durable hook and loop cable ties. Designed for repeated use, each tie fastens and releases in seconds without tools, scissors, or adhesives. The soft, flexible material prevents scratching or damaging cable insulation, making these ties safe for power cords, USB cables, ethernet cables, audio wires, and more. Only available in Black

Key Benefits

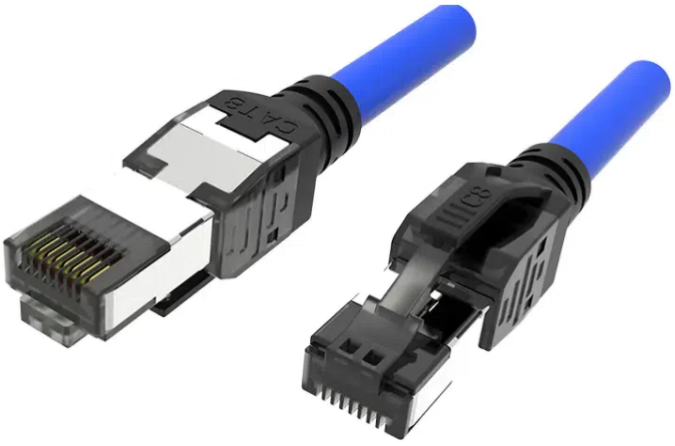
• Reusable design reduces waste compared to single-use zip ties or twist ties
• Tool-free fastening and release — adjustable in seconds
• Safe for all cable types including delicate audio and charging cables
• Compact 6-inch length suits most standard cable bundles
• 100-piece pack provides long-term supply for home, office, or professional use
• Lightweight and portable — ideal for travel, studio setups, and data centers

Technical Specifications

Attribute	Value
Length	6 inches (152 mm)
Fastening Type	Hook and Loop (Velcro-style)
Quantity per Pack	100 pieces
Reusability	Yes — multiple use cycles
Material	Nylon hook and loop fabric
Compatible Cables	USB, HDMI, Ethernet, Power, Audio, and more
Tool Required	None
Application	Home, office, studio, data center, travel

Whether you are managing a cluttered entertainment center, organizing a server rack, or tidying a home office desk, these cable ties deliver a clean, professional result every time. The hook and loop construction provides a secure hold that stays fastened during regular use while releasing effortlessly when you need to reconfigure your setup. With 100 ties per pack, you have enough supply to organize every cable in your space with ties left over for future use.

Ethernet Patch cords Cat5E Cat6A Cat8



SKU: CopperPatch
Type: variable
Categories: Cables

Option: 3m,Cat 6 LED **SKU:** LED-C6-UU-BL-0003-PVC **Price:** 2,416 kr
Option: 5m,Cat 8 **SKU:** C8-SS-BL-0005-CM-26AWG **Price:** 3,208 kr
Option: 2m,Cat 8 **SKU:** C8-SS-BL-0002-CM-26AWG **Price:** 1,604 kr
Option: 10m,Cat 6A **SKU:** C6A-UU-BL-0010-PVC **Price:** 2,416 kr
Option: 6m,Cat 6A **SKU:** C6A-UU-BL-0006-PVC **Price:** 1,273 kr
Option: 3m,Cat 6A **SKU:** C6A-UU-BL-0003-PVC **Price:** 966 kr
Option: 2m,Cat 6A **SKU:** C6A-UU-BL-0002-PVC **Price:** 887 kr
Option: 1m,Cat 6A **SKU:** C6A-UU-BL-0001-PVC **Price:** 725 kr
Option: 25cm,Cat 6A **SKU:** C6A-UU-BL-000.25-PVC **Price:** 733 kr
Option: 50cm,Cat 5E **SKU:** C5E-UU-BL-0000.5-PVC **Price:** 476 kr

High-Performance Ethernet Patch Cables

Upgrade your network with Copper **Ethernet Patch Cables** available in multiple categories and lengths. Designed for speed, durability, and reliability, these cables ensure seamless data transfer for home, office, and enterprise setups.

Cat6 with LED

This is a brand new type of cable. There are push switches at either end of the cable; when you press them, an LED flashes on both ends, helping you identify the other end in the patch panel. Press again to stop the flashing.

Requires CR927 button cell battery (not included, sold separately). Instructions for inserting it are in the gallery. If the button is pressed less than once per week on average, the battery should last over 20 years. Twice-a-week use will reduce battery life to about 15 years.

Otherwise, it is a normal **Cat6 U/UTP (Unshielded Twisted Pair)** for 10Gbps performance. Built with a **24AWG PVC jacket**

Cat5E FTP – Reliable Everyday Networking

The **Cat5E FTP (Foiled Twisted Pair)** cable is ideal for standard connections up to 1Gbps. Its foil shielding reduces interference, making it perfect for stable internet, streaming, and office use.

Cat6A U/UTP – Enhanced Speed and Durability

Step up to **Cat6A U/UTP (Unshielded Twisted Pair)** for 10Gbps performance. Built with a **24AWG PVC jacket**, it offers strong durability and reduced crosstalk. Perfect for high-speed LANs, gaming, and professional environments.

Cat8 SFTP – Future-Proof Networking

For maximum speed, the **Cat8 SFTP (Shielded Foiled Twisted Pair)** cable supports up to 40Gbps. Its **26AWG CM jacket** ensures flexibility and strength, while advanced shielding delivers ultra-low interference—ideal for data centers, servers, and demanding applications.

Technical Specifications

• Categories: Cat5E FTP, Cat6A U/UTP, Cat8 SFTP
• Lengths: Various (0.25m – 10m)
• Speed Support: Cat5E: up to 1Gbps Cat6A: up to 10Gbps Cat8: up to 40Gbps
• Wire Gauge: Cat6A – 24AWG PVC, Cat8 – 26AWG CM
• Shielding: FTP, U/UTP, SFTP options
• Use Cases: Home, office, gaming, server rooms, data centers

Why Choose These Cables?

Transition smoothly between everyday use and enterprise-grade networking. Each cable is engineered for speed, safety, and long-lasting performance.

FastSpeed SATA3 2.5-Inch Internal SSD for Laptop & Desktop

SKU: SSD2.5-xxx
Type: variable
Categories: Storage & Memory

Option: 1TB **SKU:** SSD2.5-1T **Price:** 16,112 kr
Option: 512GB **SKU:** SSD2.5-512 **Price:** 8,052 kr

FastSpeed SATA3 2.5-Inch Internal SSD

The FastSpeed SATA3 2.5-Inch Internal SSD is a straightforward, reliable storage upgrade for laptops, desktops, and compatible NAS enclosures. Built on the SATA III 6Gb/s interface, it delivers consistently faster boot times, application launches, and file transfers compared to traditional mechanical hard drives. With no moving parts, the drive runs silently, generates less heat, and consumes less power, making it especially suited to portable systems where battery life matters.

Why Upgrade to an SSD?

• Significantly faster boot and wake times compared to mechanical HDDs
• Improved application load speeds for everyday productivity and gaming
• Silent operation with no spinning platters or read/write heads
• Lower power draw extends laptop battery life
• Greater resistance to physical shock and vibration
• Compact 2.5-inch form factor fits most standard laptop and desktop bays
• Drop-in replacement requiring no additional drivers on modern operating systems

Performance You Can Measure

Using the SATA III interface, the FastSpeed SSD is capable of sequential read and write speeds that saturate the SATA bus, providing a tangible real-world performance improvement for users still running mechanical storage. Whether you are loading a large spreadsheet, editing photos, or simply booting into Windows or macOS, the reduction in load times is immediate and consistent.

Built for Durability

Solid-state storage has no mechanical components that can fail due to drops or vibration. This makes the FastSpeed SATA3 SSD a practical choice for users who travel with their laptops or work in environments where equipment can be subject to movement and handling. The drive is rated for standard operating temperatures and typical daily workloads.

Easy Installation

The 2.5-inch, 7mm profile is compatible with the vast majority of laptops and desktops that use a standard SATA data and power connector. Installation typically involves removing a panel, swapping the drive, and restoring your operating system from a backup or fresh install. No proprietary tools or software are required for basic installation.

Technical Specifications

Attribute	Value
Interface	SATA III 6Gb/s
Form Factor	2.5-inch
Height	7mm
NAND Flash Type	3D NAND
Compatible OS	Windows, macOS, Linux
Operating Temperature	0°C to 70°C
Shock Resistance	1500G
Power Consumption (Active)	Approx. 2W
Power Consumption (Idle)	Approx. 0.5W
Connector	Standard SATA Data + Power

Who Is This Drive For?

• Users upgrading an older laptop or desktop from a mechanical HDD
• IT professionals refreshing workstation fleets on a budget
• Students and everyday users wanting faster, more responsive computing
• Content creators needing reliable secondary storage for project files

The FastSpeed SATA3 2.5-Inch Internal SSD offers a practical, no-nonsense route to faster storage without requiring a motherboard that supports NVMe. If your system has a SATA bay, this drive is a compatible and cost-effective upgrade path.

Ultra Compact Nano USB Flash Drive – USB Thumb Drive Storage

SKU:
Type: variable
Categories: USB sticks

Option: 128GB **SKU:** nano128g **Price:** 2,410 kr
Option: 64GB **SKU:** nano64g **Price:** 2,088 kr
Option: 32GB **SKU:** nano32g **Price:** 1,604 kr
Option: 16GB **SKU:** nano16g **Price:** 1,443 kr
Option: 8GB **SKU:** nano8g **Price:** 1,265 kr

Overview

Small footprint, big storage — these nano USB flash drives deliver dependable, portable data storage in a minimalist form factor. These drives are ideal for individuals and businesses seeking **clean, functional storage solutions**.

Key Features

• Compact Nano Design: Ultra-small USB stick that barely protrudes from USB-A ports — perfect for laptops, desktops, and car multimedia systems.
• Wide Compatibility: Works with any device featuring a standard USB interface (PC, Mac, Linux).
• Capacities Available: Multiple storage sizes (8GB, 16GB, 32GB, 64GB, and 128GB).
• Plug-and-Play: No drivers, no setup — just insert and use.
• USB Standard Support: Hi-Speed USB 2.0 (backwards compatible with USB 1.1) — reliable transfer speeds for everyday use.

• Durable Flash Memory: Solid-state flash storage with no moving parts for shock-resistant durability.

Use Cases

• File transfer between computers
• Portable backup of photos, documents, and media
• Music, video, and content storage
• On-the-go storage for business, school, or travel

What's Included

• Nano USB Flash Drive (capacity per customer selection)

■■ Technical Specifications

Specification	Details
Interface	USB 2.0
Compatibility	Windows, macOS, Linux, or any devices with a USB-A port
Capacities	8GB, 16GB, 32GB, 64GB, 128GB
Form Factor	Nano low-profile USB stick
Operating System	Plug-and-play (no drivers required)
Warranty	Standard warranty according to Icelandic consumer laws

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Flexible charging cables with display

SKU: FlexibleCharge
Type: variable
Categories: Cables, Gift Ideas

Option: 1.2m,C2L **SKU:** C2L27W1.2M **Price:** 3,216 kr
Option: 1.2m,C2A **SKU:** C2A66W1.2M **Price:** 3,216 kr
Option: 1.2m,C2C **SKU:** C2C100W1.2M **Price:** 3,216 kr
Option: 2m,C2C **SKU:** C2C240W2M **Price:** 3,788 kr

LED Display Fast Charging Cables – Durable and Reliable

This LED display fast-charging cable delivers quick, efficient power to your devices. With support for 100W, 66W, and 27W outputs, it ensures high■speed charging for smartphones, tablets, and even laptops. The built■in LED display shows real■time charging status, so you always know how much power is being delivered. Available in multiple connector configurations, including Type A to Type C, Type C to Type C, and Type C to Apple Lighting.

Braded jacket design means the cables are soft, pliable, easy to handle, and very durable.

Strong Build and Modern Design

Made with durable materials, the cable resists bending and wear. The sleek design and LED indicator make it both practical and stylish. Because it is lightweight and portable, you can carry it anywhere with ease.

Wide Compatibility

This cable works with most portable devices, including Android phones, iPhones, MacBooks, and tablets. It supports fast charging protocols, ensuring your devices charge quickly and safely.

Features and Technical Specs

• 100W/66W/27W outputs: Fast charging for laptops, tablets, and phones
• LED display: Real■time charging status
• Durable build: Strong materials for long■term use
• Universal compatibility: Works with most USB■C devices
• Portable design: Easy to carry and store
• Stable connection: Reliable performance every time
• Stylish look: Modern design with LED indicator

Easy to Use

Simply connect your device and start charging. The LED display keeps you informed, while the fast charging technology ensures efficiency every time.

Digittrade GmbH Kobra Stick Basic

SKU: DG-KSB
Type: variable
Categories: Encrypted Flash Keys, Encrypted Storage

Option: 256GB **SKU:** DG-KSB-256 **Price:** 100,263 kr

Option: 128GB **SKU:** DG-KSB-128 **Price:** 85,977 kr
Option: 64GB **SKU:** DG-KSB-64 **Price:** 58,049 kr
Option: 32GB **SKU:** DG-KSB-32 **Price:** 51,460 kr
Option: 16GB **SKU:** DG-KSB-16 **Price:** 42,912 kr

Secure solution for authorities and companies Full-disk hardware encryption 256-bit AES in XTS mode using two 256-bit crypto keys Access control Access is made by entering a user PIN, 4-16 digits possible Crypto key management Create, modify, and destroy

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Digittrade GmbH HS256 S3 SmartCard Auth 1st Edition

SKU: DG-HS256S3
Type: variable
Categories: Encrypted Portable Drives, Encrypted Storage

Option: 4TB **SKU:** DG-HS256S3-4TBS **Price:** 339,529 kr
Option: 2TB **SKU:** DG-HS256S3-2TBS **Price:** 276,633 kr
Option: 1TB **SKU:** DG-HS256S3-1TBS **Price:** 214,942 kr

This Digittrade HS256S3 is the predecessor to the Kobra VS. Just like the Kobra VS, this received German BSI certification (BSI-DSZ-CC-0825-2017). However, after the Kobra VS was released, this model was never recertified, resulting in the certification expiring. It has several limitations you don't see in the Kobra VS, such as only two smart cards and no management software. Price is the only thing this model has over the newer model.

Digittrade GmbH RS256 Encrypted hard drive

SKU: DG-RS256
Type: variable
Categories: Encrypted Portable Drives, Encrypted Storage

Option: 4TB **SKU:** DG-RS256-4TBS **Price:** 150,617 kr
Option: 2TB **SKU:** DG-RS256-2TBS **Price:** 94,664 kr
Option: 1TB **SKU:** DG-RS256-1TBS **Price:** 51,575 kr

The RS256 reliably protects sensitive data from unauthorized access and prying eyes, whether at home, on the road or in the office. It has an elegant and robust aluminium housing, which protects it well against mechanical influences and electromagnetic waves. The specially developed anti-shock elements offer additional protection.
• 256 bit AES full disk hardware encryption in XTS mode using two 256 bit crypto keys
• RFID access control • Encrypted storage of the crypto-key on the HDD / SSD
• Integrated silicone anti-shock protectors
• Protection against mechanical influences and electro magnetic waves through robust aluminium housing
• All data is automatically encrypted in real-time by the hardware encryption module and stored without delay
• No performance restrictions
• Easy handling, maintenance and support free
• Compatible with USB 3.0 & 2.0
• Operating system independent and bootable
• Read / write speed: SSD up to 200 MB/s HDD bis zu 80 MB/s

Kobra Infosec Kobra Stick VS

SKU: DG-KSV
Type: variable
Categories: Encrypted Flash Keys, Encrypted Storage

Option: 1TB **SKU:** DG-KSV-1TB-SC **Price:** 259,922 kr
Option: 512GB **SKU:** DG-KSV-512-SC **Price:** 150,537 kr
Option: 256GB **SKU:** DG-KSV-256-SC **Price:** 120,372 kr
Option: 128GB **SKU:** DG-KSV-128-SC **Price:** 104,985 kr
Option: 64GB **SKU:** DG-KSV-64-SC **Price:** 90,171 kr
Option: 32GB **SKU:** DG-KSV-32-SC **Price:** 77,772 kr
Option: 16GB **SKU:** DG-KSV-16-SC **Price:** 66,205 kr

Kobra VS Introduction

Kobra VS are external encrypted hard disks and USB-C memory sticks with approval by the German Federal Office for Information Security (BSI) for classified data.
These are the only devices on the market that we are aware of that require MFA to unlock. Drives are unlocked using a PKI cryptographic smart card and a PIN that is assigned to a specific user. The card reader is built in. It comes with a management application that will allow an administrator to configure each device, assign a smart card to a device, whether it can only read or read and write, manage timeout and lockout functions, etc. They are entirely GDPR compliant and can be shipped easily as long as the smart card is not included. All the encryption and decryption happen on the device on the fly, only after the user has successfully been authenticated. Until the user is authenticated, all any computer sees is an unknown device drawing power; it won't even recognize it as a storage medium. Once the user has authenticated, every device sees a plain old USB mass storage device. So if a device can use a generic USB thumb drive, these drives are compatible with it, so the use cases are endless.

In addition to Kobra Infosec smartcards, existing PKI-based company ID, Service, and Troop ID smartcards can be used for authentication. Identity cards from Auðkenni are not yet compatible, but a fix

for that will be in the next release. If your existing ID cards aren't compatible, that is an easy fix.

In terms of confidentiality, all data stored on the KOBRA VS storage device is protected against unauthorized access in case of loss or theft of the device.

The following security mechanisms assure the confidentiality of the data:

• Encryption: 256-bit AES full-disk hardware encryption in XTS mode using two 256-bit crypto keys
• Access Control: Two-factor authentication via smartcard and PIN according to the principle "having and knowing"
• Cryptographic Keys Management: Administration of the cryptographic keys by the Users: Create, Modify, and Destroy

Kobra VS Encrypted storage technical information:

• Integrated power supply
• Execution of many functions without a PC connection
• Simple operation, maintenance, and support free
• Modern USB-C connection
• Compatible with USB 3.0 & 2.0
• Operating system independent and bootable
• No performance limitations
• Up to 8 smartcards (PKI cards) can be configured per device
• Automatic encryption of all data, boot sectors, temporary files, and partitions in real time
• Automatic formatting after key change
• Read-Only Mode mechanism
• Time-out function (1 to 30 minutes)
• Lock-Out and Quick-Out functions
• Sturdy metal housing protected against splash water

Optional Configuration (special order):

• Laser engraving of logo, inventory numbers, scanable QR codes, designations, or similar according to the customer
• Custom USB VID, PID & Serial Number
• Integration of other PKI-based ID cards or smartcards from the client

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Kobra Infosec Kobra Drive VS

SKU: DG-KDVS
Type: variable
Categories: Encrypted Portable Drives

Option: 16TB **SKU:** DG-KDVS-16TBS-SC **Price:** 1,262,504 kr
Option: 8TB **SKU:** DG-KDVS-8TBS-SC **Price:** 692,543 kr
Option: 4TB **SKU:** DG-KDVS-4TBS-SC **Price:** 445,395 kr
Option: 2TB **SKU:** DG-KDVS-2TBS-SC **Price:** 346,603 kr
Option: 1TB **SKU:** DG-KDVS-1TBS-SC **Price:** 263,998 kr

Kobra VS Introduction

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These are the only devices on the market that we are aware of that require MFA to unlock. Drives are unlocked using a PKI cryptographic smart card and a PIN that is assigned to a specific user. The card reader is built in. It comes with a management application that will allow an administrator to configure each device, assign a smart card to a device, whether it can only read or read and write, manage timeout and lockout functions, etc. They are entirely GDPR compliant and can be shipped easily as long as the smart card is not included. All the encryption and decryption happen on the device on the fly, only after the user has successfully been authenticated. Until the user is authenticated, all any computer sees is an unknown device drawing power; it won't even recognize it as a storage medium. Once the user has authenticated, every device sees a plain old USB mass storage device. So if a device can use a generic USB thumb drive, these drives are compatible with it, so the use cases are endless.

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• Access Control: Two-factor authentication via smartcard and PIN according to the principle “having and knowing”
• Cryptographic Keys Management: Administration of the cryptographic keys by the Users: Create, Modify, and Destroy

Kobra VS Encrypted storage technical information:

• Integrated power supply
• Execution of many functions without a PC connection
• Simple operation, maintenance, and support free
• Modern USB-C connection
• Compatible with USB 3.0 & 2.0
• Operating system independent and bootable
• No performance limitations
• Up to 8 smartcards (PKI cards) can be configured per device
• Automatic encryption of all data, boot sectors, temporary files, and partitions in real time
• Automatic formatting after key change
• Read-Only Mode mechanism
• Time out function (1 to 30 minutes)
• Lock-Out and Quick-Out functions
• Sturdy metal housing protected against splash water

Optional Configuration (special order):

1. Laser engraving of logo, inventory numbers, scanable QR codes, designations, or similar according to the customer
2. Custom USB VID, PID & Serial Number
3. Integration of other PKI-based ID cards or smartcards from the client

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Qnect 4-Port USB-A 3.0 Hub with USB-C Male Connector

SKU: 101034
Type: simple
Categories: Accessories

Price: 2,410 kr

4-Port USB-A 3.0 Hub with USB-C Connector

Expand your USB connectivity with this compact 4-port USB hub, designed for laptops, desktops, and devices equipped with a USB-C port. Each port delivers USB 3.0 speeds, making it suitable for transferring large files, connecting peripherals, and powering compatible devices simultaneously.

Key Benefits

• Add four full-speed USB-A ports to any USB-C equipped device
• USB 3.0 speeds up to 5Gbps per port for fast file transfers
• Backward compatible with USB 2.0 and USB 1.1 devices
• Compact, lightweight design ideal for home, office, and travel use
• Plug-and-play setup — no drivers or software required
• Compatible with Windows, macOS, Linux, and ChromeOS

Technical Specifications

Attribute	Value
Host Connector	USB 3.1 Type-C Male
Device Ports	4 x USB-A 3.0
USB Standard	USB 3.0 (USB 3.1 Gen 1)
Data Transfer Speed	Up to 5Gbps per port
Backward Compatibility	USB 2.0, USB 1.1
Plug Type	Bus-powered (no external power required)
Driver Requirements	None — plug and play
OS Compatibility	Windows, macOS, Linux, ChromeOS

What's in the Box

• 1 x 4-Port USB-C to USB-A 3.0 Hub

DELTACO Wireless vlogging microphone

SKU: VLOG-100
Type: simple
Categories: Accessories, Gift Ideas

Price: 16,112 kr

• USB-C receiver
• Lightning adapter
• 5 h operating time
• Easy and practical shirt clip
• USB-C and Lightning connectors
• Optimal for vlogging and making interviews
• FSC packaging (the world’s most trusted mark for sustainable forestry)

Kingston Kingston Canvas Go! Plus MicroSDXC Card (170R A2 U3 V30)

SKU: SDCG3/xxx
Type: variable
Categories: Micro-SD Cards

Option: 256GB **SKU:** SDCG3/256GBSP **Price:** 6,359 kr
Option: 128GB **SKU:** SDCG3/128GB **Price:** 4,820 kr

The **Kingston Canvas Go! Plus MicroSDXC Card** is engineered for those who demand speed, reliability, and versatility. With **read speeds up to 170MB/s** and **write speeds up to 90MB/s**, this card accelerates your workflow, allowing you to capture stunning 4K Ultra-HD videos and high-resolution photos without worrying about dropped frames or slow transfer rates. It is rated **U3, V30, and A2**, ensuring top-tier performance for both video recording and application usage on smartphones and tablets.

Key Features:

• High-Speed Performance: Read speeds up to 170MB/s and write speeds up to 90MB/s, enabling fast data transfer and smooth 4K UHD video capture.

• Optimized for 4K Video: U3 and V30 speed ratings guarantee seamless recording of 4K Ultra-HD videos, even in fast-paced scenarios.
• A2 Application Performance: Expedites app performance on smartphones and tablets, making it perfect for gaming, multitasking, and productivity.
• Wide Compatibility: Works with action cameras, drones, Android devices, DSLRs, and more. Includes an SD adapter for use with SD-compatible devices.
• Durable and Reliable: Built to withstand extreme temperatures (-25°C to 85°C) and rugged conditions, ensuring data integrity in any environment.
• Multiple Capacities: Available in multiple capacities to meet diverse storage needs.

Specifications:

Attribute	Details
Product Name	Canvas Go! Plus MicroSDXC Card
Capacities	Various
Speed Rating	Class 10, UHS-I, U3, V30, A2
Read Speed	Up to 170MB/s
Write Speed	Up to 90MB/s (64GB: 70MB/s)
Operating Temperature	-25°C to 85°C
Storage Temperature	-40°C to 85°C
Dimensions (MicroSD)	15mm x 11mm x 1mm
Dimensions (SD Adapter)	24mm x 32mm x 2.1mm
Format	exFAT
Warranty	Standard

Ideal For:

• Capturing 4K UHD videos with action cameras and drones
• Burst-mode photography and fast-action shots
• Expanding storage on smartphones, tablets, and gaming devices
• Professional and creative workflows requiring high-speed data transfer

Why Choose Kingston Canvas Go! Plus?
Kingston’s Canvas Go! Plus is trusted by professionals and adventurers alike for its unmatched speed, durability, and reliability. Whether you’re recording your next adventure or managing critical data, this card ensures you never miss a moment.

Verbatim Verbatim Store 'n' Go V3 16GB USB 3.0 Flash Drive Black

SKU: 49172
Type: simple
Categories: USB sticks

Price: 1,604 kr

Verbatim Store 'n' Go V3 USB 3.0 Flash Drive 16GB

The Verbatim Store 'n' Go V3 is a compact, reliable USB flash drive designed for fast file transfers and everyday portable storage. Built on USB 3.0 technology, it delivers significantly faster read and write speeds compared to USB 2.0 drives, making it ideal for moving large files, documents, photos, and videos quickly and efficiently.

Key Benefits

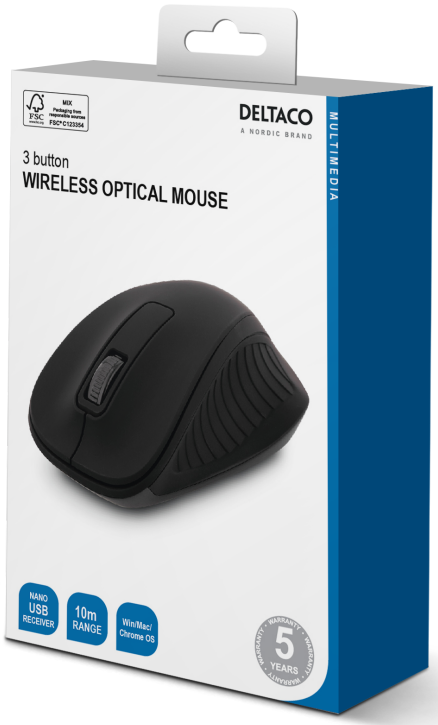
• USB 3.0 interface delivers transfer speeds up to 10x faster than USB 2.0
• Backward compatible with USB 2.0 ports for broad device support
• Compact, capless sliding design protects the connector when not in use
• 16GB storage capacity suitable for documents, photos, music, and video files
• Plug-and-play compatible with Windows and Mac operating systems
• Durable black and gray casing built for daily carry
• No software installation required for basic file storage and transfer

Technical Specifications

Attribute	Value
Brand	Verbatim
Model	Store 'n' Go V3
Storage Capacity	16GB
Interface	USB 3.0
USB 2.0 Compatible	Yes
Color	Black / Gray
Form Factor	Capless Sliding
OS Compatibility	Windows, macOS
Plug and Play	Yes

Whether you are transferring work files between office and home or backing up important documents, the Verbatim Store 'n' Go V3 provides a dependable, no-fuss storage solution in a pocket-sized form factor.

DELTACO Wireless Optical Mouse 2.4GHz 1200 DPI 3-Button Black



SKU: MS-710
Type: simple
Categories: Mice

Price: 2,563 kr

Wireless Optical Mouse – 2.4GHz, 1200 DPI, 3-Button with Scroll

This compact wireless optical mouse delivers reliable, cable-free performance for everyday computing. Using a 2.4GHz wireless connection via a USB nano receiver, it offers a stable signal with no software installation required. Simply plug in the receiver, insert two AAA batteries, and start working immediately. The low-profile nano receiver stores discreetly in a USB port, making this mouse an ideal travel companion for laptop users.

• Plug-and-play setup – no drivers required
• USB nano receiver stays flush with your laptop for portable use
• 1200 DPI optical sensor delivers accurate, smooth cursor tracking
• 3-button layout with scroll wheel suits standard productivity tasks
• 2.4GHz wireless frequency provides a stable, interference-resistant connection
• Powered by 2 AAA batteries – widely available and easy to replace
• Compact ergonomic design fits comfortably in either hand
• Matte black finish resists fingerprints and everyday wear

Technical Specifications

Attribute	Value
Connection Type	2.4GHz Wireless
Receiver	USB Nano Receiver
Resolution (DPI)	1200 DPI
Polling Rate	125 Hz
Number of Buttons	3 (Left, Right, Scroll Wheel Click)
Scroll Wheel	Yes
Power Source	2 x AAA Batteries
Driver Required	No – Plug and Play
Color	Black
Compatibility	Windows, macOS, Linux (USB HID)

Whether you are working at a desk or on the go, this wireless optical mouse provides a dependable, no-fuss experience without the clutter of cables. Its 1200 DPI sensor ensures consistent tracking on most flat surfaces, and the 125Hz polling rate keeps cursor movement responsive for standard office and web browsing tasks.

Kingston Kingston DataTraveler Micro 256GB USB 3.2 Flash Drive Silver

SKU: DTMC3G2/256GB
Type: simple
Categories: USB sticks

Price: 6,432 kr

Kingston DataTraveler Micro 256GB USB Flash Drive

The Kingston DataTraveler Micro delivers reliable, high-capacity storage in one of the smallest USB flash drive form factors available. Designed to stay plugged in without protruding, this 256GB drive is ideal for laptops, desktop PCs, smart TVs, and car audio systems. Its low-profile metal casing sits flush with your device, reducing the risk of accidental damage while keeping your ports free of obstruction.

• 256GB storage capacity for documents, photos, videos, and music
• USB 3.2 Gen 1 interface for fast data transfers up to 200MB/s read
• Compact, low-profile design sits flush with USB ports
• Durable metal casing in a sleek silver finish
• Compatible with Windows, macOS, Linux, and select smart TVs and car stereos
• No cap to lose — plug-in and leave-in design
• Five-year manufacturer warranty included

Technical Specifications

Attribute	Value
Brand	Kingston
Model	DataTraveler Micro
Storage Capacity	256GB
Interface	USB 3.2 Gen 1 (USB 3.0)
Read Speed	Up to 200MB/s
Write Speed	Up to 60MB/s
Form Factor	Low-profile, capless
Casing Material	Metal
Color	Silver
Operating Temperature	0°C to 60°C
Storage Temperature	-20°C to 85°C
Warranty	5 Years

Whether you need to expand storage on an ultrabook, transfer large media files, or keep a permanent backup drive connected to your TV, the Kingston DataTraveler Micro 256GB provides the capacity and speed to get the job done without getting in the way.

Logitech Logitech Comfortwave 450 wired keyboard

SKU: 920-001406
Type: simple
Categories: Gift Ideas, Keyboards

Price: 8,052 kr

Logitech Comfortwave 450 wired keyboard. Work in comfort with this keyboard that's designed to cradle your fingers naturally. Removable, padded palm rest provides additional support.

Front & rear tilt legs have multiple levels of adjustment, including two degrees of negative slope for proper wrist alignment while typing. Hot keys give you instant access to your favorite applications, media controls & web pages.

The Logitech Comfortwave 450 wired keyboard does not require software installation, making setup easy. Small, streamlined footprint keeps your workspace clear.

• Wired / Wireless: Wired
• Connector / Port / Interface: USB
• Keyboard Design: Comfort Type
• Wrist Rest: Yes.

HP Inc Wired USB Optical Scroll Mouse for PC and Laptop

SKU: QY777AA
Type: simple
Categories: Mice

Price: 1,604 kr

Wired USB Optical Scroll Mouse for PC and Laptop

The Wired USB Optical Scroll Mouse delivers accurate, responsive cursor control for daily computing tasks. Whether you are browsing the web, working in spreadsheets, or editing documents, this mouse provides consistent performance without the need for batteries or wireless setup. Simply plug the USB connector into any available port and start working immediately.

Key Features

• Plug-and-play USB connection — no driver installation required
• Optical tracking sensor for smooth, accurate cursor movement on most surfaces
• Central scroll wheel for fast, efficient page and document navigation
• Left and right click buttons with tactile feedback for precise input
• Symmetrical ergonomic shape suitable for both left and right-handed users
• Lightweight and compact design for easy portability and desk use
• Compatible with Windows 7, 8, 10, 11, macOS, and Linux
• Durable cable with standard USB-A connector

Technical Specifications

Attribute	Value
Connection Type	Wired USB-A
Tracking Technology	Optical
Resolution (DPI)	800 DPI
Number of Buttons	3 (Left, Right, Scroll Wheel Click)
Scroll Wheel	Yes, single-direction mechanical scroll
Cable Length	Approximately 1.5 m (4.9 ft)
Operating System Support	Windows 7/8/10/11, macOS, Linux
Power Source	USB bus-powered (no batteries required)
Driver Required	No — plug and play
Hand Orientation	Ambidextrous

Who Is This Mouse For?

This USB optical scroll mouse is an ideal choice for students, home users, and office workers who need a dependable, no-fuss input device. Its straightforward design and universal compatibility mean it works across a wide range of desktop computers, laptops, and operating systems without any configuration. The optical sensor tracks reliably on standard desk surfaces and mouse pads, reducing the need for frequent recalibration.

The ambidextrous shape accommodates both left- and right-handed users, and the lightweight build makes it easy to reposition throughout the day. If you are replacing an aging mouse or need a straightforward backup peripheral, this wired USB optical mouse covers the essentials at a practical price point.

Targus Targus Wireless keyboard

SKU: AKB864NO
Type: simple
Categories: Gift Ideas, Keyboards

Price: 3,627 kr

Fully wireless and fully sized, the Full-Size Multi-Device Bluetooth® Antimicrobial NO-layout Keyboard was made to deliver a comfortable typing experience and help you get the job done. With its reliable and power-saving Bluetooth® 5.1 connection and multi-device connectivity, you can take your wireless workspace on the road.

For an added benefit, this keyboard features Targus DefenseGuard Antimicrobial Protection, which creates a cleaner surface and continuously works to protect the keyboard by preventing the growth of microorganisms. Unlike topically applied sprays, DefenseGuard keyboards are treated with an antimicrobial additive that remains effective throughout the product's lifetime.

Ultra Thin Powerbank 10k 22.5W

SKU: UTPB-10k-33
Type: simple
Categories: Gift Ideas, Powersupply

Price: 8,052 kr

Fast Charging Power Bank – Large Capacity and Reliable

This fast-charging power bank is built to keep your devices powered all day. With a large-capacity battery and 22.5W output, it delivers fast charging for smartphones, tablets, and other electronics. Because it is portable, you can carry it anywhere and stay connected without worry.

High-Speed Charging

The 22.5W output ensures your devices charge faster than standard power banks. This means less waiting and more productivity. Whether you are traveling, working, or studying, your devices stay ready when you need them.

Large Capacity for Multiple Devices

With its big battery, this power bank can charge phones and tablets multiple times. It is perfect for long trips, busy workdays, or emergencies when you need reliable backup power.

Features and Technical Specs

• 22.5W fast charging: Quick power delivery for multiple devices

• Large capacity battery: 10.000 mAh capacity means long-lasting performance
• Portable design: Easy to carry in a bag or pocket
• Multiple outputs: Charge more than one device at once
• Durable build: Made for daily use and travel
• Universal compatibility: Works with all smartphones and tablets, as well as other USB-powered devices
• LED indicators: Show remaining battery power

Easy to Use

Simply connect your device with the included cable and start charging. The power bank is user-friendly, reliable, and ready whenever you need extra power.

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x900 Wireless Keyboard and Mouse Set

SKU: X900KM
Type: simple
Categories: Gift Ideas, Keyboard/Mice combo

Price: 6,440 kr

Wireless Keyboard and Mouse Set – Reliable and Convenient

This wireless keyboard and mouse set is built to make everyday computing easier and more comfortable. With a modern design and stable wireless connection, it helps you work, study, or browse without messy cables.

Smooth Typing and Precise Control

The keyboard features responsive keys that enable fast, accurate typing. The mouse offers smooth tracking and precise movement so that you can switch between tasks with ease. Together, they deliver a seamless experience for home, office, or travel.

Compact and Portable Design

Slim and lightweight, this set is easy to carry in a laptop bag or backpack. Because it is portable, you can use it anywhere — at your desk, in a café, or while traveling.

Features and Technical Specs of Wireless Keyboard Mouse Set

• Wireless connection: Stable and reliable signal
• Responsive keys: Comfortable typing experience
• Compact mouse: Smooth tracking and precise control
• Slim design: Saves space and looks modern
• Plug and play: No software required
• Portable build: Easy to carry and store
• Durable construction: Made for daily use
• Requires 2 AA batteries, one for mouse, one for keyboard

Easy Setup and Use

Simply plug in the USB receiver and start working. The keyboard and mouse connect instantly, with no complicated installation. They are compatible with most laptops and desktops, making them versatile for different devices.

Aluminum 7 in 1 USB-C Hub

SKU: X003VI7VYH
Type: simple
Categories: Accessories, Gift Ideas

Price: 3,745 kr

Aluminum USB-C Hub – 7■in■1 Connectivity

The aluminum USB-C hub is designed to expand your laptop or tablet into a powerful workstation. With seven ports in one compact device, you can connect multiple accessories at once. Because it is lightweight and portable, you can carry it anywhere with ease.

Sleek and Durable Design

Made with an aluminum housing, the hub is strong, stylish, and wear-resistant. Its slim profile fits neatly into your bag, making it perfect for travel, office, or home use.

Multiple Ports for Maximum Productivity

This hub includes USB, HDMI, SD, and other essential connections. You can transfer files, connect external displays, and charge devices simultaneously.

Aluminum USB-C Hub Features and Technical Specs

• 7■in■1 design: Multiple ports in one hub
• Aluminum housing: Durable and stylish build

• USB-C input: Compatible with modern laptops and tablets
• HDMI output: Connect to external monitors or projectors
• USB ports: Attach keyboards, mice, or storage devices
• SD/TF card slots: Quick photo and video transfers
• Compact size: Easy to carry and store

Easy Setup and Use

Simply plug the hub into your USB-C port and start working. No drivers or software are needed. It is compatible with most modern devices, making it versatile for professionals, students, and travelers.

Ergonomic Vertical Wireless Mouse

SKU: VWME612
Type: simple
Categories: Gift Ideas, Mice

Price: 3,472 kr

Ergonomic Vertical Wireless Mouse – Comfortable and Modern

The ergonomic vertical wireless mouse is designed to reduce wrist strain and improve comfort during long hours of computer use. With its upright design, it supports a natural hand position, making it ideal for office work, study, and creative tasks. Because it is wireless, you can enjoy smooth performance without tangled cables.

Ergonomic Design for Comfort

The vertical shape helps prevent fatigue by naturally aligning your wrist and forearm. This makes it a healthier choice compared to traditional flat mice, especially for people who spend many hours at a computer.

Smooth Performance and Adjustable Control

With multiple DPI levels, the mouse lets you adjust sensitivity instantly. Lower DPI is ideal for precise editing, while higher DPI speeds navigation.

Ergonomic Vertical Wireless Mouse Features and Technical Specs

• Wireless connection: Stable and reliable signal
• Vertical design: Supports natural hand posture
• Adjustable DPI: Multiple sensitivity levels for different tasks
• Ergonomic grip: Reduces wrist strain and fatigue
• Durable build: Made for long■term daily use
• Plug and play: No software required
• Portable size: Easy to carry and store

Easy Setup and Use

Simply plug in the USB receiver and start working. The mouse connects instantly without complicated installation. It is compatible with most laptops and desktops, making it versatile for different environments.

Verbatim Verbatim StoreNStay Nano U3 USB 3.0 Ultra-Compact Flash Drive

SKU: vstornstaynano
Type: variable
Categories: USB sticks

Option: 64GB **SKU:** 98711 **Price:** 2,394 kr
Option: 16GB **SKU:** 97464 **Price:** 1,604 kr

StoreNStay Nano U3 USB 3.0 Flash Drive by Verbatim

The Verbatim StoreNStay Nano U3 is engineered for users who need reliable, high-speed storage without the bulk. Extending just 5mm from your USB port, this ultra-compact drive is virtually flush with your laptop or desktop, making it ideal for permanent or semi-permanent installation in tight spaces.

Key Benefits

• Ultra-low profile design extends only 5mm from the USB port — virtually invisible when in use
• USB 3.0 interface delivers fast data transfer speeds for quick file access and backups
• Backward compatible with USB 2.0 ports for use across older and newer devices
• Durable, compact housing protects data without adding bulk to your setup
• Ideal for laptops, ultrabooks, smart TVs, and car audio systems where space is limited
• Plug-and-play compatibility with Windows and Mac operating systems — no drivers required
• Retains data without a power source, making it safe for long-term storage

Technical Specifications

Attribute	Value
Brand	Verbatim
Model	StoreNStay Nano U3
Interface	USB 3.0 (backward compatible with USB 2.0)
Form Factor	Nano — extends 5mm from port
Compatibility	Windows, macOS, Linux, Smart TVs, Car Audio
Driver Required	No — plug and play
Power Source	Bus-powered via USB port

Whether you're expanding storage on an ultrabook or leaving a drive semi-permanently installed in a media device, the StoreNStay Nano U3 delivers the performance and discretion modern users demand.

Kingston Kingston DataTraveler Kyson USB 3.2 Gen 1 Flash Drive Silver

SKU: DTKN/xxx
Type: variable
Categories: USB sticks

Option: 256GB **SKU:** DTKN/256GB **Price:** 6,432 kr
Option: 128GB **SKU:** DTKN/128GB **Price:** 4,014 kr

Kingston DataTraveler Kyson USB 3.2 Gen 1 Flash Drive – Silver

The Kingston DataTraveler Kyson delivers high-speed file transfers in a durable, capless metal design. With USB 3.2 Gen 1 technology, it offers read speeds up to 200MB/s and write speeds up to 60MB/s, making it one of the faster USB Type-A drives in its class. The loop design allows easy attachment to a keychain or lanyard, keeping your data accessible wherever you go.

Key Features

• USB 3.2 Gen 1 (USB 3.0) interface for fast, reliable data transfers
• Read speeds up to 200MB/s and write speeds up to 60MB/s
• Capless, slide-out metal casing protects the connector when not in use
• Integrated loop for keychain or lanyard attachment
• Backward compatible with USB 2.0 and USB 3.0 ports
• Available in multiple storage capacities to suit different needs
• Supports Windows, macOS, and Linux operating systems
• Five-year manufacturer warranty with free technical support

Technical Specifications

Attribute	Value
Interface	USB 3.2 Gen 1 (USB Type-A)
Read Speed	Up to 200MB/s
Write Speed	Up to 60MB/s
Color	Silver
Form Factor	Capless slide-out metal body
Compatibility	USB 3.2, USB 3.0, USB 2.0
Operating Systems	Windows 11, 10, macOS, Linux Kernel 4.4+
Operating Temperature	0°C to 60°C
Storage Temperature	-20°C to 85°C
Warranty	5-year limited warranty

Who Is This Drive For?

The DataTraveler Kyson is suited for users who regularly transfer large files such as high-resolution photos, 4K video footage, or large software packages. Its read speed of 200MB/s significantly reduces wait times compared to standard USB 2.0 drives, which typically max out at around 25MB/s. The metal, capless construction also makes it more durable for daily carry than plastic alternatives with removable caps that can be lost over time.

Kingston Kingston DataTraveler Exodia USB 3.2 Gen 1 Flash Drive

SKU: DTX/xxx
Type: variable
Categories: USB sticks

Option: 64GB **SKU:** DTX/64GB **Price:** 1,604 kr
Option: 256GB **SKU:** DTX/256GB **Price:** 4,820 kr
Option: 128GB **SKU:** DTX/128GB **Price:** 2,571 kr

Kingston DataTraveler Exodia USB 3.2 Gen 1 Flash Drive

The Kingston DataTraveler Exodia delivers reliable, high-speed USB 3.2 Gen 1 performance for transferring and storing documents, music, videos, and more. Designed for everyday portability, it features a practical cap-and-loop design available in multiple colors, making it easy to attach to a keyring or bag. Compatible with laptops, desktops, monitors, and other USB-enabled devices, the DT Exodia is a straightforward storage solution suited for home, work, or school use.

Key Features

• USB 3.2 Gen 1 interface delivers transfer speeds up to 5Gbps
• Backward compatible with USB 2.0 and USB 3.0 ports
• Available in multiple storage capacities to suit different needs
• Lightweight cap-and-loop design for easy keyring attachment
• Available in a range of fashionable colors
• Plug-and-play — no additional software or drivers required
• Compatible with Windows, macOS, Linux, and Chrome OS
• Ideal for transferring documents, photos, music, and video files

Technical Specifications

Attribute	Value
Interface	USB 3.2 Gen 1 (USB 3.0)
Max Read Speed	Up to 70MB/s (varies by capacity)
Max Write Speed	Up to 15MB/s (varies by capacity)
Available Capacities	32GB, 64GB, 128GB, 256GB
Backward Compatibility	USB 2.0, USB 3.0
Operating Temperature	0°C to 60°C
Storage Temperature	-20°C to 85°C
Dimensions	67.5mm x 21.1mm x 10.6mm
OS Compatibility	Windows 11, 10, macOS, Linux, Chrome OS
Warranty	5-year limited warranty with free technical support

Kingston Kingston DataTraveler 70 USB-C 3.2 Gen 1 Flash Drive 64GB-256GB

SKU: DT70/xx
Type: variable
Categories: USB sticks

Option: 128GB **SKU:** DT70/128GB **Price:** 4,028 kr
Option: 64GB **SKU:** DT70/64GB **Price:** 2,313 kr

Kingston DataTraveler 70 USB-C 3.2 Gen 1 Flash Drive

The Kingston DataTraveler 70 delivers fast, reliable USB-C storage for modern laptops, tablets, Chromebooks, and smartphones. Built on USB 3.2 Gen 1 technology, it offers read speeds up to 100MB/s, making file transfers quick and efficient. The compact, capless swivel design protects the connector when not in use, while the durable casing keeps your data safe on the go.

• USB-C connector compatible with the latest laptops, tablets, and smartphones
• USB 3.2 Gen 1 interface delivers read speeds up to 100MB/s
• Capless swivel design protects the USB-C connector during transport
• Compatible with USB 3.0 and USB 2.0 ports via adapter
• Available in multiple capacities: 64GB, 128GB, and 256GB
• Works with Windows, macOS, Linux, and Chrome OS
• Plug-and-play — no drivers or software installation required
• Backed by a 5-year Kingston warranty

Technical Specifications

Attribute	Value
Brand	Kingston
Model	DataTraveler 70 (DT70)
Interface	USB-C 3.2 Gen 1
Read Speed	Up to 100MB/s
Available Capacities	64GB, 128GB, 256GB
Connector Type	USB Type-C
Form Factor	Capless swivel
Compatibility	Windows, macOS, Linux, Chrome OS
Operating Temperature	0°C to 60°C
Storage Temperature	-20°C to 85°C
Dimensions	36.2mm x 12.6mm x 7.8mm
Warranty	5-year limited warranty

128GB Dual USB-A and USB-C Metal Flash Drive for PC and Mac

SKU: UKDualFM-128
Type: simple
Categories: USB sticks

Price: 3,216 kr

Dual USB-A/USB-C 128GB Metal Flash Drive

Store, transfer, and access files across modern and legacy devices with this 128GB dual-interface flash drive. Featuring both a USB-A and USB-C connector, it works seamlessly with laptops, desktops, smartphones, and tablets without requiring an adapter. The full metal casing provides durability for everyday carry.

• Compatible with USB-A and USB-C ports — no adapter needed
• 128GB storage capacity for documents, photos, videos, and more
• Metal housing resists drops, scratches, and everyday wear
• Compact, capless design with swivel or dual-head connector
• Plug-and-play with Windows, macOS, Linux, and Android
• Ideal for students, professionals, and creatives on the go

Technical Specifications

Attribute	Value
Storage Capacity	128GB
Interface	USB-A 3.0 / USB-C 3.1
Casing Material	Metal alloy
Compatible Operating Systems	Windows, macOS, Linux, Android
File System	exFAT
Max Read Speed	Up to 100MB/s (interface dependent)
Max Write Speed	Up to 30MB/s (interface dependent)
Connector Type	Dual-head USB-A and USB-C
Form Factor	Compact swivel body
Operating Temperature	0°C to 60°C

Solid Metal Balls (4.76 mm & 7 mm) — Filling & Weighting for 3D Prints

SKU:
Type: variable
Categories: 3D Printing

Option: 7mm **SKU:** Steel7 **Price:** 8,947 kr
Option: 4.76mm **SKU:** Steel4 **Price:** 9,364 kr

These **solid metal balls** provide a simple and controlled way to increase the mass of hollow or partially hollow 3D-printed parts. By filling internal voids with metal spheres, you can improve stability, balance, and perceived quality of printed objects without redesigning the model or switching to expensive high-density filaments.

Two diameters are available:

• 4.76 mm
• 7 mm

Each size is supplied in a jar with a measured bulk density for consistent and repeatable results:

• 7 mm balls: approx. 4.43 g/cc
• 4.76 mm balls: approx. 5.18 g/cc

The smaller diameter provides a higher packing density, making it better suited for compact cavities or when maximum weight per volume is required. The larger size is easier to handle and works well for bigger internal chambers.

Manufactured from solid chrome steel, the balls offer a uniform shape, a smooth surface finish, and a stable mass distribution. They can be used loose inside enclosed prints, combined with resin or epoxy for permanent ballast, or placed in printed compartments designed for fill material. These are premium ball bearings, which we purchased in bulk for 3D printing enthusiasts.

Typical applications include weighted bases, counterbalanced parts, fixtures, jigs, and any 3D-printed component where extra mass improves function or feel. To figure out how much you need, measure the size of the cavern you wish to fill, convert the volume to cubic centimeters (cc), and reference the table below.

For a higher effective density, the metal balls can be combined with dry fine sand. The balls provide mass, while the sand fills the air gaps between spheres. This increases total weight per volume and prevents movement or rattling inside hollow prints. For permanent ballast, the mixture can be locked in place using resin or epoxy.

See also: Fine Sand for 3D Print Filling – ideal companion product for maximum ballast in hollow prints.

■■ *Weight Lookup Table — Balls Only vs Balls + Sand (approx.)*

The weights in this table are calculated by multiplying the internal cavity volume by the bulk density of the balls (for example, to fill a 15 cc cavity with 4.76 mm balls: 15 cc × 5.18 g/cc ≈ 78 g of balls).

Using the calculated bulk densities:

• 4.76 mm balls (balls only): 5.18 g/ccEstimated with sand fill: ≈ 5.7 g/cc
• 7 mm balls (balls only): 4.43 g/ccEstimated with sand fill: ≈ 5.1 g/cc

Fill Volume	4.76 mm (balls only)	4.76 mm (balls + sand)	7 mm (balls only)	7 mm (balls + sand)
10 cc	52 g	57 g	44 g	51 g
25 cc	130 g	143 g	111 g	128 g
50 cc	259 g	286 g	222 g	257 g
100 cc	518 g	572 g	443 g	513 g

150 cc	777 g	858 g	665 g	770 g
200 cc	1036 g	1144 g	886 g	1026 g

(Values rounded. Real-world packing will vary slightly.)

■■ Technical Details

Feature	Specification
Diameters	4.76 mm & 7 mm
Material	Solid chrome steel
Bulk density (7 mm)	4.43 g/cc
Bulk density (4.76 mm)	5.18 g/cc
Packaging	Clear jar, measured fill volume, 1 kg per jar
Intended use	Weighting and filling hollow 3D prints

Raspberry Pi Official Raspberry Pi M.2 HAT+

SKU: SC1166
Type: simple
Categories: Compute

Price: 4,828 kr

Expand Your Raspberry Pi 5

The **Official Raspberry Pi M.2 HAT+** unlocks high-speed storage and peripheral options for your Raspberry Pi 5. Designed to connect NVMe SSDs and other PCIe accessories, it transforms your Pi into a powerful, flexible platform for advanced projects.

Seamless PCIe Integration

This adapter board converts the Pi 5's PCIe connector into a single **M.2 M-key edge slot**, supporting devices in the **2230 and 2242 form factors**. With a **single-lane PCIe 2.0 interface**, it delivers a **peak transfer rate of up to 500 MB/s**, ensuring fast and reliable data access. Power and activity LEDs provide clear status indicators during operation.

Built for Performance and Compatibility

The M.2 HAT+ supplies up to **3A of power** to connected devices, making it suitable for SSDs and AI accelerators. It conforms to the **Raspberry Pi HAT+ specification**, allowing Raspberry Pi OS to automatically detect the board and peripherals. Installation is simple thanks to the included ribbon cable, threaded spacers, screws, and a knurled double-flanged drive attachment screw. A **16 mm GPIO stacking header** ensures compatibility with the Raspberry Pi Active Cooler.

Technical Specifications

• PCIe interface: Single-lane PCIe 2.0 (500 MB/s)
• Connector: M.2 M-key edge slot
• Supported form factors: 2230, 2242
• Power supply: Up to 3A to devices
• LEDs: Power and activity indicators
• Accessories: Ribbon cable, spacers, screws, knurled drive screw, 16 mm stacking header
• Compatibility: Raspberry Pi 5

Long-Term Support

The Raspberry Pi M.2 HAT+ is guaranteed in production until at least **January 2032**, ensuring reliable availability for long-term projects. This is only the add-on board; the actual Raspberry Pi and the M.2 Disk are purchased separately.

Raspberry Pi Official Raspberry Pi 5 Power Supply

SKU: SC1152
Type: simple
Categories: Compute

Price: 4,183 kr

Reliable Power for Raspberry Pi 5

The **Official Raspberry Pi 27W USB-C Power Supply** is designed to deliver stable, high-capacity power for the Raspberry Pi 5. Whether you're powering demanding peripherals or running intensive workloads, this PSU ensures your board operates at peak performance without throttling or instability.

Optimized for High-Power Devices

With **5.1V at 5A output**, the PSU provides enough current to support external drives, SSDs, and other USB-powered accessories connected to the Pi 5's four Type-A ports. When detected, the PSU automatically increases the USB current limit from **600mA to 1.6A**, enabling reliable operation of high-power peripherals.

Flexible Power Profiles

Beyond Raspberry Pi, the PSU supports USB-C Power Delivery (PD) profiles, making it a versatile option for other PD-compatible devices. Available profiles include:
• 9V, 3A
• 12V, 2.25A
• 15V, 1.8A
All profiles are capped at 27W.

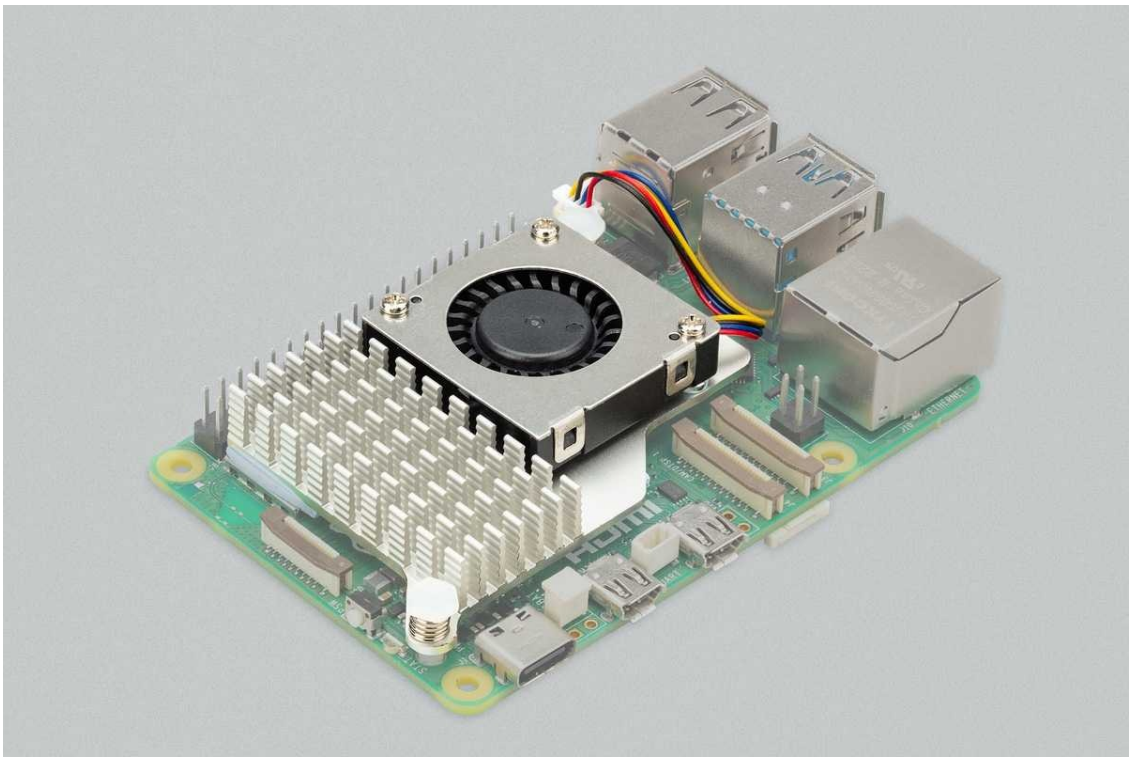
Technical Specifications

• Input voltage: 100–240V AC, 50–60Hz
• Output voltage: 5.1V
• Output current: 5.0A
• Output power: 25.5W (Pi mode), 27W (PD mode)
• Connector: USB-C
• Cable length: 1.2m, 17AWG
• Efficiency: 89% active, 87.9% at low load
• No-load consumption: 0.1W
• Color: White
• Compliance: FCC, CE, RoHS

Long-Term Support

This PSU has undergone extensive compliance testing and is guaranteed to maintain long-term availability, making it the safest and most reliable choice for powering the Raspberry Pi 5.

Raspberry Pi Official Raspberry Pi Active Cooler



SKU: SC1148
Type: simple
Categories: Compute

Price: 1,604 kr

Keep Your Raspberry Pi 5 Cool

The **Official Raspberry Pi Active Cooler** is designed to deliver reliable cooling for your Raspberry Pi 5. Whether you're running heavy workloads, overclocking, or simply want stable performance, this cooler keeps your board at safe operating temperatures.

Smart Cooling Solution

This clip-on cooler combines a **single-piece anodised aluminium heatsink** with a **temperature-controlled blower fan**. The fan automatically adjusts speed based on CPU load, keeping noise low while maintaining efficiency. Pre-applied thermal pads guarantee optimal heat transfer, and spring-loaded push pins make installation quick and secure.

Built for Performance

During stress tests, the Active Cooler kept CPU temperatures around 60–63°C under load, preventing throttling and ensuring smooth operation. It's more effective than the standard case fan, making it the ideal choice for power users and developers.

Technical Specifications

• Input voltage: 5V DC via 4-pin fan header
• Fan speed control: PWM with tachometer feedback
• Maximum airflow: 1.09 CFM
• Maximum fan speed: 8000 RPM ±15%
• Material: Anodised aluminium heatsink
• Mounting: Spring-loaded push pins
• Thermal pads: Pre-applied for easy setup

Reliable and Long-Lasting

The Raspberry Pi Active Cooler is engineered for durability and will remain in production until at least **January 2036**. Once installed, it should not be removed to avoid damaging the push pins or thermal pads.

This is just the cooler, buy the Raspberry Pi separately

Raspberry Pi Raspberry Pi Display Module Monitor – Red & White 50-75ch

SKU: SC0940
Type: simple
Categories: Compute

Price: 30,620 kr

Raspberry Pi Monitor – Red/White Display Module

This compact display module is purpose-built for Raspberry Pi single-board computers, delivering a clear, responsive screen experience for embedded projects, kiosks, and prototyping setups. The bold red and white color scheme makes it easy to identify in multi-component builds.

• Compatible with Raspberry Pi 3, 4, and 400 series
• Plug-and-play setup via DSI or HDMI interface (verify your model)
• Ideal for DIY electronics, home automation, and educational projects
• Compact form factor designed to pair directly with Raspberry Pi boards
• Sturdy housing in a distinctive red and white finish
• Suitable for both portrait and landscape orientation
• Low power consumption for battery-powered and portable builds

Technical Specifications

Attribute	Value
Product Type	Display Module
Compatible Devices	Raspberry Pi 3, 4, 400
Color Scheme	Red / White
Typical Use Case	Embedded systems, prototyping, kiosks
Orientation Support	Portrait and Landscape
Connection Interface	DSI / HDMI (model dependent)

Whether you are building a Raspberry Pi media center, a smart home dashboard, or a custom embedded interface, this red and white display module provides reliable performance in a compact, identifiable package. Check compatibility with your specific Raspberry Pi model before purchase.

Fine Sand – Ballast & Void Filling for 3D Prints (400 g / 800 g)

SKU:
Type: variable
Categories: 3D Printing

Option: 800g **SKU:** Sand800 **Price:** 3,627 kr
Option: 400g **SKU:** Sand400 **Price:** 2,416 kr

This **fine sand** is designed for use as a **void filler and ballast material** in hollow 3D-printed parts. When a print contains internal cavities, adding sand increases weight, improves stability, and reduces rattling. It can be used on its own or combined with metal balls to fill the gaps between spheres, increasing effective density.

For 3D printing, sand is typically added through designed fill ports or after printing by opening an access hole and then sealing the part with glue, epoxy, or resin. This approach is well-suited for weighted bases, counterbalanced parts, enclosures, and functional objects where added mass improves performance or perceived quality.

The fine-grain size allows the sand to flow into tight internal spaces and pack efficiently, minimizing trapped air and helping achieve predictable weight per volume. Best results are achieved when the sand is kept dry, and the part is gently vibrated or tapped during filling.

Beyond 3D printing and workshop use, this fine sand is also suitable for **decorative and hobby applications**. Its clean appearance and small particle size make it useful for:

• Miniature Zen gardens
• Desk and tabletop decorations
• Dioramas and model scenery
• Terrariums and display containers
• Craft and art projects

This makes it a practical material for both technical use and creative projects where controlled weight or visual texture is desired.

Available in two jar sizes:

• 400 g
• 800 g

These quantities are convenient for repeated use in filament storage projects, weighted prints, or small-batch production.

■■ Technical Details

• Material: Fine-grain sand
• Grain size: Small, free-flowing particles
• Packaging: 400 g jar 800 g jar
• Typical uses: Filling cavities in hollow 3D prints Ballast and counterweights Combined with metal balls for higher density Casting and modeling Decorative and hobby projects
• Handling: Use dry for the best packing density

See also: Solid Metal Balls for 3D Print Weighting – designed to be used together with this sand for optimal results.

MikroTik ROSE Data Server (RDS)

SKU: RDS2216-2XG-4S+4XS-2XQ
Type: simple
Categories: Compute, MikroTik Products

Price: 463,840 kr

Third parties control your data. Should they? Your business, your files, your future – handed over to external providers with unclear policies and unknown risks. **Stop relying on the cloud. Own your infrastructure.**

Introducing the Rose Data Server (RDS2216) – a high-performance, all-in-one storage, networking, and container platform designed for enterprise environments. Secure, scalable, and under your control.

Why Choose RDS2216?

• 20 U.2 NVMe storage slots – Ultra-fast, high-density storage for demanding workloads.
• 100G high-speed networking – 2× 100G QSFP28 ports, 4× 25G SFP28 ports, 4× 10G SFP+ ports, 2× 10G Ethernet ports, and an extra SFF-8644 interface for flexible connectivity.
• 16-core 2 GHz ARM CPU + 32GB DDR4 RAM – High-performance processing for networking, storage, and virtualization.
• Massive energy savings – Cut power consumption and heat output while maintaining high performance – an eco-friendly solution for data-heavy environments.
• Runs RouterOS – The most flexible, modular networking OS. Supports advanced storage capabilities, including exporting block devices over NVMe-TCP, encryption layers, and modular storage configurations for scalable infrastructure. No subscriptions. No paywalls.
• Container-ready – Run MinIO, Nextcloud, Shinobi, Frigate, and other OCI-compliant containers with ease. We’ve added two USB ports for additional devices and further adaptability.
• Includes dual hot-swappable power supplies – Ensuring uninterrupted operation and quick replacement without unnecessary downtime.

One Device. Endless Possibilities.

It's a breakthrough in flexible networking and storage for the most demanding enterprise environments. Reliable 100-Gigabit connectivity. Ultra-fast NVMe storage support. Containers. Enterprise-grade performance.

No subscriptions. No paywalls. Just pure, future-proof performance.

You buy it – you own it. Forever. That's a core MikroTik principle.

Specifications

Details	
Product code	RDS2216-2XG-4S+4XS-2XQ
Architecture	ARM 64bit
CPU	AL73400
CPU core count	16
CPU nominal frequency	2000 MHz
Switch chip model	98DX4310
Dimensions	476 x 443 x 44 mm
RouterOS license	6
Operating System	RouterOS v7 (Special ROSE edition)
Size of RAM	32 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 50°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Frequency (Hz)	50-60
Max power consumption	286 W
Max power consumption without attachments	105 W
Cooling type	10 fans

Ethernet

Details	
10/100/1000 Ethernet ports	1
Number of 1G/2.5G/5G/10G Ethernet ports	2

Fiber

Details	
SFP+ ports	4
Number of 25G SFP28 ports	4
Number of 100G QSFP28 ports	2

Peripherals

Details	
Serial console port	RJ45
Number of USB ports	2
USB Power Reset	Yes
USB slot type	USB 3.0 type A
Max USB current (A)	1
Number of M.2 slots	2

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase.

Ethernet test results

Mode	Configuration	1518 byte	512 byte	64 byte			
kpps	Mbps	kpps	Mbps	kpps	Mbps		
Bridging	none (fast path)	6240.0	75778.6	10977.1	44962.2	28907.9	15725.9
Bridging	25 bridge filter rules	4025.6	48886.9	4008.7	16419.6	3799.7	2067.0
Routing	none (fast path)	6168.5	74910.3	9944.6	40733.1	33153.0	18035.2
Routing	25 simple queues	4554.2	55306.2	4553.9	18652.8	4458.9	2425.6
Routing	25 ip filter rules	2854.1	34660.2	2845.6	11655.6	2701.1	1469.4
Routing	none (L3HW)	16254.9	197399.5	46992.4	192480.9	284090.5	154545.2
Routing	25 ip filter rules (Fasttrack L3HW)	16026.2	194622.2	46287.5	189593.6	251870.1	137017.3

1. All tests are done with Xena Networks specialized test equipment (XenaBay),and done according to RFC2544 (Xena2544)
2. Max throughput is determined with 30+ second attempts with 0,1% packet loss tolerance in 64, 512, 1518 byte packet sizes
3. Test results show device maximum performance, and are reached using mentioned hardware and software configuration, different configurations most likely will result in lower results

IPsec test results

RDS2216-2XG-4S+4XS-2XQ	AL73400 IPsec throughput						
Mode	Configuration	1400 byte	512 byte	64 byte			
kpps	Mbps	kpps	Mbps	kpps	Mbps		
Single tunnel	AES-128-CBC + SHA1	179.7	2012.6	186.4	763.5	182.8	93.6
256 tunnels	AES-128-CBC + SHA1	366.8	4108.2	667.3	2733.3	668.8	342.4
256 tunnels	AES-128-CBC + SHA256	366.8	4108.2	666.2	2728.8	670.4	343.2
256 tunnels	AES-256-CBC + SHA1	366.2	4101.4	667.6	2734.5	668.8	342.4
256 tunnels	AES-256-CBC + SHA256	366.2	4101.4	670	2744.3	670.4	343.2

1. All tests are done with Xena Networks specialized test equipment (XenaBay),and done according to RFC2544 (Xena2544)
2. Max throughput is determined with 30+ second attempts with 0,1% packet loss tolerance in 64, 512, 1400 byte packet sizes
3. Test results show device maximum performance, and are reached using mentioned hardware and software configuration, different configurations most likely will result in lower results

Included parts

IEC cord	IEC cord	K-90 fastening set	Rackmount ear (ROSE)	Small rear support ears (ROSE)	Long rear Rackmount support ears (ROSE)

Raspberry Pi 5 Aluminum Alloy Case with Passive Cooling. Case only

SKU: RaspCaseAlu
Type: simple
Categories: Compute

Price: 3,949 kr

Raspberry Pi 5 Aluminum Alloy Case

Protect and cool your Raspberry Pi 5 with this precision-machined aluminum alloy enclosure. Designed specifically for the Raspberry Pi 5, this case provides superior heat dissipation compared to plastic alternatives, keeping your board running at optimal performance during demanding tasks.

• CNC-machined aluminum alloy construction for durability and passive cooling
• Precise cutouts for all Raspberry Pi 5 ports, GPIO pins, camera connector, and display connector
• Passive heat dissipation reduces thermal throttling without requiring a fan
• Slim, professional form factor suitable for desktop or embedded deployments
• Compatible exclusively with Raspberry Pi 5 board (not compatible with earlier models)
• Minimal-tool assembly for quick installation
• Protects against dust, accidental contact, and minor physical impacts
• Available in black only
• Space for the offical active cooler and includes wents for the cooler if you want to add it.
• Only the case, purchase board and accessories seperately

Technical Specifications

Attribute	Value
Compatible Board	Raspberry Pi 5 only
Material	CNC-machined aluminum alloy
Cooling Type	Passive (conductive heat dissipation)
Port Access	USB-A, USB-C, micro HDMI x2, GPIO, CSI, DSI, Ethernet, microSD
Assembly	Screw fastened
Dimensions	Matches Raspberry Pi 5 footprint (~85mm x 56mm x 30mm)
Weight	Approximately 100g
Finish Options	Black

Whether you are running a home server, retro gaming console, or IoT project, this aluminum case keeps your Raspberry Pi 5 protected and thermally stable without the noise of active cooling solutions.

Transparent Acrylic Case for Raspberry Pi 5 — Clear Snap-Fit

SKU: RaspCaseAcryl
Type: simple
Categories: Compute

Price: 2,861 kr

Protect and display your Raspberry Pi 5 with this precision-cut transparent acrylic case. Designed specifically for the Raspberry Pi 5 board, the clear panels give full visibility of your hardware while providing reliable physical protection against dust and accidental damage. This isn't a traditional case you put the rasberry in. This is a set of custom cut acrylic plates you assemble around the board.

• Custom-designed for Raspberry Pi 5 — exact fit with no modifications required
• Crystal-clear acrylic panels for full component visibility
• Access to all GPIO pins, USB, HDMI, Ethernet, and CSI/DSI ports
• Tool-free snap-together assembly for quick installation
• Passive cooling compatible — open ventilation slots prevent heat buildup
• Lightweight and compact — does not increase board footprint significantly
• Compatible with standard Raspberry Pi 5 cooling fans and heatsinks

Attribute	Value
Compatible Board	Raspberry Pi 5
Material	Acrylic (PMMA)
Color	Clear / Transparent
Assembly Type	Snap-fit, tool-free
Port Access	GPIO, USB-A, USB-C, micro HDMI x2, Ethernet, CSI, DSI, MicroSD
Ventilation	Open slots on top and sides
Fan/Heatsink Compatible	Yes
Dimensions	Fits standard Raspberry Pi 5 form factor (85mm x 56mm)
Weight	Approximately 40g

Ideal for hobbyists, educators, and developers who want their Raspberry Pi 5 protected during everyday use while keeping all components visible for monitoring and demonstration purposes. The acrylic construction is rigid enough to prevent flex damage to the board while remaining lightweight for portable projects.

Qui Presentation Clicker

SKU: QPC01
Type: simple
Categories: Gift Ideas, Mice

Price: 2,668 kr

Qui Presentation Clicker – Powerful and Reliable

The Qui presentation clicker gives you complete control during lectures, meetings, and conferences. With a wireless range of up to 328 feet, you can move freely and engage your audience without being tied to your laptop.

Easy to Use and Portable

Compact and lightweight, this clicker fits easily into a pocket or bag. Because it is plug■and■play, you can connect instantly without installing extra software. This makes it perfect for classrooms, offices, and large venues.

Smooth Control and Clear Functions

Responsive buttons let you move slides forward or backward with ease. The built■in laser pointer helps highlight key points, keeping your audience focused. With a stable wireless connection, your presentation runs smoothly from start to finish.

Qui Presentation Clicker Features and Technical Specs

• Wireless range: Up to 328 feet for large venues
• Laser pointer: Highlight important details during presentations
• Plug and play: No software required
• Compact design: Easy to carry and store
• Responsive buttons: Quick slide navigation
• Durable build: Made for long■term use
• Broad compatibility: Works with most laptops and operating systems
• Power: Requires two AAA batteries, which are not included

Built for Professionals and Educators

Whether you are teaching, pitching, or speaking at a conference, the Qui presentation clicker helps you deliver with confidence. It combines portability, reliability, and ease of use in one essential tool.

SOMOSTEL USB-A 18W Quick Charge Wall Charger for Smartphones EU socket

SKU: SMS-A29
Type: variable
Categories: Accessories, Uncategorized

Option: USB Micro **SKU:** SMS-A29-M **Price:** 1,830 kr
Option: USB-C **SKU:** SMS-A29-C **Price:** 1,830 kr
Option: Lighting **SKU:** SMS-A29-A **Price:** 1,830 kr

USB-A Quick Charge Wall Charger for Smartphones

Charge your smartphone faster than standard chargers with this USB-A Quick Charge wall charger. Compatible with a wide range of Android and iOS devices, this compact charger delivers reliable, efficient power through Quick Charge technology, reducing charge times significantly compared to conventional 5W adapters.

• Quick Charge technology for faster charging speeds
• Universal USB-A port compatible with most smartphones and tablets
• Compact, lightweight design ideal for home, office, or travel use
• Built-in overcharge, overvoltage, and short-circuit protection
• Foldable prongs for easy, space-saving storage and portability
• Compatible with Android devices supporting Quick Charge and standard charging for iOS devices
• EU type plug
• Includes charging cable, choose the type you need.

Technical Specifications

Attribute	Value
Connector Type	USB-A
Charging Standard	Quick Charge
Output Voltage	5V/9V/12V
Maximum Output Current	3A
Maximum Power Output	18W
Input Voltage	100-240V AC (Universal)
Plug Type	EU
Safety Certifications	CE, FCC, RoHS
Dimensions	Compact pocket-sized form factor
Compatible Devices	Android smartphones, iPhones, tablets

Why Choose a Quick Charge Wall Charger?

Standard 5W chargers can take two hours or more to fully charge a modern smartphone. Quick Charge technology negotiates a higher voltage with compatible devices, delivering up to 18W of power and cutting charge times by up to 50%. Even with non-Quick Charge devices, this charger provides a reliable and safe standard charge. The universal 100-240V input makes it suitable for use in multiple countries, making it a practical travel companion.

Raspberry Pi Standard Mini Camera Cable Ribbon FPC Connector

SKU: SC1120-all
Type: variable
Categories: Compute, Uncategorized

Option: 500mm **SKU:** SC1130 **Price:** 2,416 kr
Option: 300mm **SKU:** SC1129 **Price:** 1,449 kr
Option: 200mm **SKU:** SC1128 **Price:** 804 kr

Raspberry Pi Standard Mini Camera Cable

The Raspberry Pi Standard Mini Camera Cable is a flexible flat cable (FFC/FPC) engineered specifically for connecting Raspberry Pi camera modules to compatible Raspberry Pi boards. Whether you are building a compact robotics system, a wildlife monitoring station, or a portable embedded vision project, this cable delivers consistent signal integrity in a space-saving form factor.

Key Benefits

• Designed and approved for use with official Raspberry Pi camera modules
• Flexible ribbon construction allows routing in tight enclosures and compact builds
• Maintains reliable data transfer between camera sensor and processor
• Compatible with standard Raspberry Pi CSI camera connector ports
• Lightweight and low-profile, ideal for portable and battery-powered projects
• Reduces signal degradation compared to longer or non-specified cables
• Easy insertion into ZIF (Zero Insertion Force) connectors for tool-free assembly
• Narrow on one end, standard on other for compatability with Camera 3 vs Raspberry 5

Technical Specifications

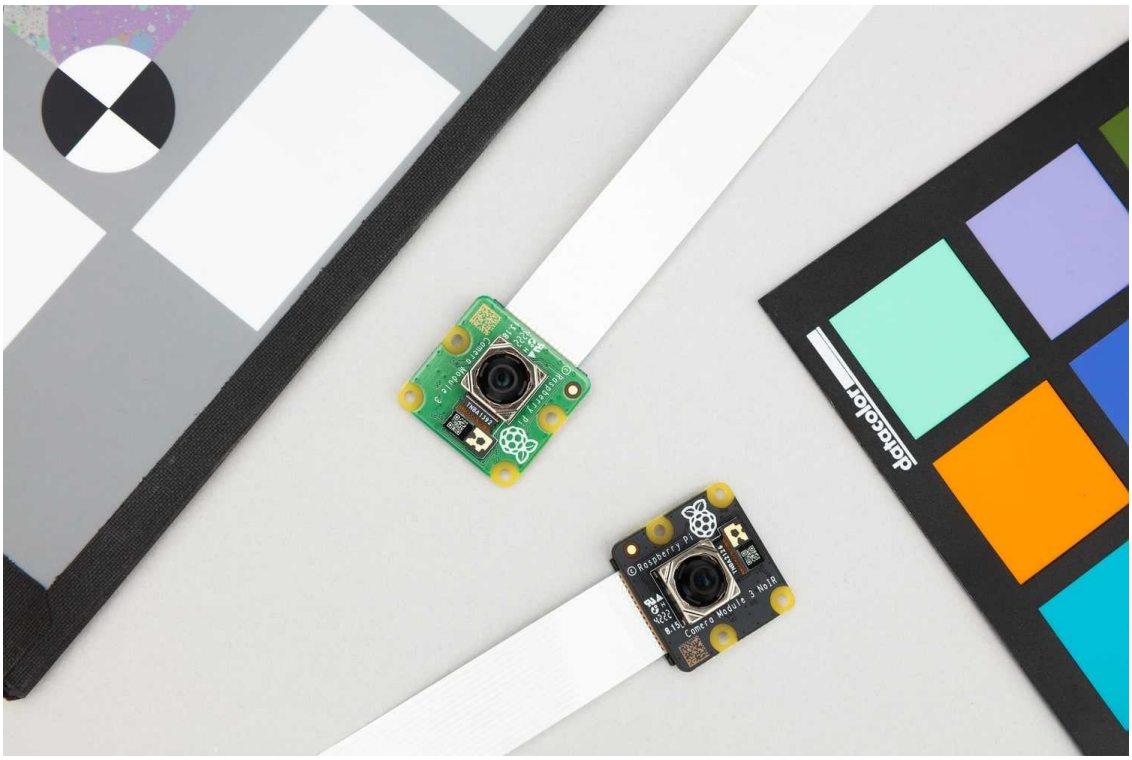
Attribute	Value
Cable Type	Flexible Flat Cable (FFC / FPC)
Size Variant	Mini (Standard Length)
Interface	CSI (Camera Serial Interface)
Connector Type	ZIF (Zero Insertion Force)
Compatible Devices	Raspberry Pi Camera Module v1, v2, v3 and HQ Camera
Cable Construction	Multi-conductor ribbon / flexible PCB trace
Form Factor	Low-profile, flexible ribbon
Application	Embedded vision, robotics, IoT, surveillance

Ideal Use Cases

• DIY Raspberry Pi camera enclosures with limited internal space
• Robotics and drone builds requiring lightweight cabling
• Portable Raspberry Pi handheld devices and retro gaming consoles
• Replacement cable for damaged or worn original camera connections
• Educational electronics and STEM project kits

This mini camera cable is a straightforward, dependable component for any Raspberry Pi vision project. Using the correct specified cable ensures your camera module operates at full performance without compatibility issues or signal loss.

Raspberry Pi Raspberry Pi Camera Module 3 - 12MP Sony IMX708 Sensor



SKU: SC0870-all
Type: variable
Categories: Compute

Option: Wide NoIR **SKU:** SC0875 **Price:** 11,268 kr
Option: Wide **SKU:** SC0874 **Price:** 11,268 kr
Option: NoIR **SKU:** SC0873 **Price:** 9,656 kr
Option: Normal **SKU:** SC0872 **Price:** 9,656 kr

Raspberry Pi Camera Module 3

The Raspberry Pi Camera Module 3 is the latest official camera solution from Raspberry Pi, engineered for makers, developers, and educators who demand reliable, high-quality imaging in compact projects. Built around the Sony IMX708 sensor, this module delivers a significant upgrade over previous generations with native autofocus, HDR capability, and improved low-light performance.

Key Features

• 12-megapixel Sony IMX708 CMOS image sensor for sharp, detailed captures
• Phase Detection Autofocus (PDAF) for fast, accurate subject focusing
• High Dynamic Range (HDR) mode for balanced exposure in challenging lighting
• Supports video recording up to 1080p at 50fps and 4K at 10fps
• Compatible with all Raspberry Pi boards featuring a CSI camera connector
• Works with Raspberry Pi OS camera stack and libcamera framework
• Available in standard and wide-angle variants
• Compact form factor for integration into enclosures and HATs

Technical Specifications

Attribute	Value
Image Sensor	Sony IMX708
Resolution	12 Megapixels
Sensor Size	7.4mm diagonal
Pixel Size	1.4µm x 1.4µm
Autofocus System	Phase Detection Autofocus (PDAF)
Focus Range	10cm to infinity
HDR Support	Yes
Max Video Resolution	4K at 10fps, 1080p at 50fps, 720p at 120fps
Still Image Output	4608 x 2592 pixels
Interface	MIPI CSI-2
Lens Field of View	66° (standard) / 102° (wide)
Board Dimensions	25mm x 24mm
Operating Temperature	0°C to 50°C
Compatibility	All Raspberry Pi models with CSI connector

Who Is This For?

The Camera Module 3 suits a wide range of use cases. Hobbyists can use it for time-lapse photography and wildlife monitoring. Developers building computer vision applications benefit from the autofocus and HDR modes. Educators and students gain access to a professional-grade imaging platform at an accessible price point. The module integrates seamlessly with the Raspberry Pi ecosystem and is supported by the open-source libcamera library.

Whether you are prototyping a security camera, building a smart doorbell, or experimenting with machine learning image recognition, the Raspberry Pi Camera Module 3 provides the performance and flexibility to support your project from concept to completion.

MikroTik 24v 1.2A power supply

SKU: SAW30-240
Type: variable
Categories: MikroTik Products, Powersupply

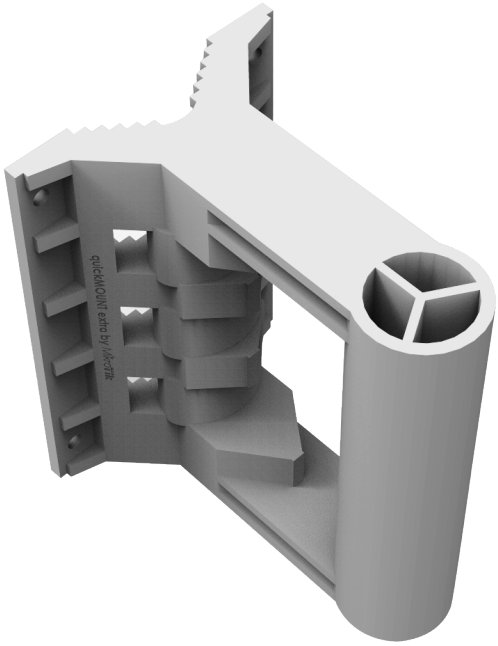
Option: Angle **SKU:** SAW30-240-1200GR2A **Price:** 3,047 kr
Option: Straight **SKU:** SAW30-240-1200GA **Price:** 3,055 kr

24v 1.2A power supply

Specifications

Details	
Product code	SAW30-240-1200GA
Output Voltage	24V 1.2A

MikroTik quickMOUNT extra (QME)



SKU: QME
Type: simple
Categories: Antenna, MikroTik Products

Price: 2,399 kr

The quickMOUNT extra is an advanced wall mount adapter for large point-to-point and sector antennas.

You can mount it on the wall or use it as an adapter from a large diameter pole to a small size antenna mounting clip, ensuring a reliable fit. The quickMOUNT extra allows the antenna to be turned within 190°.

The quickMOUNT extra is compatible with our long-range heavy antennas like the 30dBi parabolic dish mANT 30 or the 19dBi sector mANT 19s.

E-YOOSO Portable Wireless Mouse dual mode BT & 2.4 G

SKU: E-1191
Type: simple
Categories: Gift Ideas, Mice

Price: 4,022 kr

Portable Wireless Mouse – Adjustable and Reliable

This portable wireless mouse is designed for comfort, precision, and convenience. With five adjustable DPI levels, it adapts to a range of tasks, from detailed design work to fast browsing. Because it is wireless, you can enjoy smooth performance without tangled cables. With support for both Bluetooth and USB receiver, you have ultimate flexibility.

Adjustable DPI for Every Task

The quick DPI switch lets you instantly adjust sensitivity. Lower DPI is ideal for precise editing, while higher DPI speeds navigation. This flexibility ensures the mouse fits your workflow.

Compact and Travel-Friendly

Slim and lightweight, the mouse fits easily into a laptop bag or backpack. It is ideal for office, home, or travel use. The ergonomic design supports your hand, reducing strain during long work hours.

Portable Wireless Mouse Features and Technical Specs

• Wireless connection: Stable and reliable signal
• Five DPI levels: Adjustable sensitivity for different tasks
• Dual mode: connect either via Bluetooth or with the included USB receiver.
• Ergonomic design: Comfortable grip for daily use
• Compact size: Easy to carry and store
• Durable build: Made for long■term performance
• Plug and play: No software required
• Portable design: Perfect for travel and remote work

Easy Setup and Use

Simply plug in the USB receiver or connect via Bluetooth and start working. The mouse connects instantly without complicated installation. It is compatible with most laptops and desktops, making it versatile for different devices.

20W USB-C Power Delivery Fast Wall Charger Adapter PD 3.0

SKU: PD20CWall
Type: simple
Categories: Accessories

Price: 4,106 kr

PD 20W USB-C Power Adapter Wall Charger

Charge your USB-C devices quickly and safely with this 20W Power Delivery wall charger. Designed for compatibility with a wide range of smartphones, tablets, and earbuds, this compact adapter delivers fast, efficient charging without the bulk of older chargers.

• 20W Power Delivery for fast charging compatible devices
• Universal USB-C output compatible with iPhone 12 and later, iPad Pro, Samsung Galaxy, and more
• Compact, foldable plug design for easy portability
• Built-in safeguards against overcharging, overheating, and short circuits
• Certified safe with overvoltage and overcurrent protection
• Lightweight design ideal for travel and everyday use

Technical Specifications

Attribute	Value
Output Power	20W (Max)
Connector Type	USB-C
Charging Protocol	USB Power Delivery (PD) 3.0
Output Voltage	5V/3A, 9V/2.22A
Input Voltage	100-240V AC, 50/60Hz
Plug Type	EU
Cable Included	No
Compatible Devices	iPhone 12/13/14/15, iPad, Samsung Galaxy, Google Pixel, AirPods Pro
Safety Certifications	FCC, CE, RoHS
Dimensions	Approx. 1.18 x 1.18 x 1.10 inches
Weight	Approx. 1.06 oz (30g)

Raspberry Pi 5 Aluminum Passive Case with Built-In Heatsink

SKU: P5+WG08X
Type: simple
Categories: Compute

Price: 6,440 kr

Raspberry Pi 5 Aluminum Passive Case with Built-In Heatsink

Keep your Raspberry Pi 5 running cool and protected with this precision-machined aluminum passive case. Engineered specifically for the Raspberry Pi 5, this enclosure doubles as a full-body heatsink, dissipating heat silently without the need for fans or moving parts.

Key Benefits

• Fanless passive cooling eliminates noise for quiet operation in home, office, or embedded environments
• Full aluminum construction conducts heat away from the CPU, RAM, and other components efficiently
• Precision-cut openings provide unobstructed access to all GPIO pins, USB ports, HDMI outputs, camera connectors, and the microSD slot
• Sturdy metal shell protects the board from physical damage, dust, and accidental contact
• Low-profile design suitable for desktop use or integration into larger projects
• No additional thermal paste or assembly tools required for standard installation

Technical Specifications

Attribute	Value
Compatibility	Raspberry Pi 5 (all RAM variants)
Material	CNC-machined aluminum alloy
Cooling Method	Passive convection via aluminum body heatsink
Fan Required	No
GPIO Access	Full 40-pin header accessible
Port Access	USB-A, USB-C, dual micro-HDMI, Ethernet, CSI/DSI, microSD
Finish	Anodized aluminum
Installation	Tool-assisted screw assembly

Who Is This For?

This case is ideal for makers, developers, and hobbyists who need reliable thermal management without fan noise. It suits always-on applications such as home servers, media centers, retro gaming consoles, and IoT projects where silent operation is a priority. The rugged aluminum body also makes it a practical choice for light industrial or educational deployments where board protection matters.

M.2 NVMe and SATA SSD Enclosure USB 3.2 Gen 2 Aluminum Case

SKU: M2enc734
Type: simple
Categories: Storage & Memory

Price: 7,173 kr

M.2 SSD Enclosure for SATA & NVMe Drives – USB 3.2 External Case

Transform your M.2 SSD into a portable, high-speed external storage device. This aluminum enclosure supports both SATA and NVMe M.2 drives, making it compatible with the widest range of SSDs on the market. Whether you're upgrading your laptop's internal drive or repurposing an old SSD, this enclosure delivers fast, reliable data transfer in a compact, tool-free design.

Key Features

• Compatible with both M.2 NVMe (PCIe) and M.2 SATA SSDs
• Supports M-Key and B+M Key M.2 drives
• Compatible with drive sizes: 2230, 2242, 2260, and 2280
• Tool-free or single-screw installation for quick SSD swapping
• Aluminum alloy housing acts as a passive heatsink to reduce throttling
• USB 3.2 Gen 2 interface for speeds up to 10 Gbps
• Plug-and-play – no drivers required on Windows, macOS, and Linux
• Compact and lightweight for travel and everyday portability
• Includes USB-C to USB-C and USB-C to USB-A cables for broad device compatibility
• UASP (USB Attached SCSI Protocol) support for improved performance and efficiency

Technical Specifications

Attribute	Value
Interface (Host)	USB 3.2 Gen 2 (10 Gbps)
Supported Drive Interface	M.2 NVMe (PCIe) and M.2 SATA
Supported Key Types	M-Key, B+M Key
Supported Drive Lengths	2230, 2242, 2260, 2280
Max Transfer Speed	Up to 10 Gbps (NVMe) / Up to 6 Gbps (SATA)
Protocol Support	UASP, Trim
Housing Material	Aluminum Alloy
Operating Systems	Windows 7/8/10/11, macOS 10.8+, Linux
Cables Included	USB-C to USB-C, USB-C to USB-A
Power Supply	Bus-powered via USB (no external power required)
Operating Temperature	0°C to 60°C

What's in the Box

• 1x M.2 SSD Enclosure
• 1x USB-C to USB-C Cable
• 1x USB-C to USB-A Cable
• 1x Screwdriver (if applicable)
• 1x Mounting Screw

Ideal for IT professionals, content creators, and everyday users who need fast, flexible external storage from an existing M.2 SSD.

Leisum Presentation Clicker

SKU: LPC01
Type: simple
Categories: Gift Ideas, Mice

Price: 8,463 kr

Leizun Presentation Remote Clicker – Professional and Reliable

The Leizun presentation remote clicker is designed to make your slideshows smooth, simple, and professional. With wireless control, you can move freely while presenting, keeping your audience engaged without being tied to your laptop.

Easy to Use and Portable

Lightweight and compact, this remote fits easily into a pocket or bag. Because it is plug■and■play, you can connect instantly without installing extra software. This makes it perfect for classrooms, offices, and conferences.

Smooth Control and Clear Functions

Responsive buttons allow you to move slides forward or backward with ease. The built■in laser pointer helps highlight key points, keeping your audience focused. With a stable wireless connection, your presentation runs without interruptions.

Features and Technical Specs

• Wireless connection: Stable signal for smooth control
• 100-meter range
• Laser pointer: Highlight important details during presentations
• Plug and play: No software required
• Compact design: Easy to carry and store
• Responsive buttons: Quick slide navigation
• Durable build: Made for long■term use
• Broad compatibility: Works with most laptops and operating systems

Built for Professionals and Students

Whether you are teaching, pitching, or speaking at a conference, the Leizun presentation remote clicker helps you deliver with confidence. It combines portability, reliability, and ease of use in one essential tool.

LED Laser Pointer: professional tool and a cat toy

SKU: LP01
Type: simple
Categories: Gift Ideas

Price: 1,111 kr

LED Laser Pointer – Professional and Versatile

This LED laser pointer is a practical tool for teachers, presenters, and trainers. With a precise laser beam and built■in LED flashlight, it helps you highlight important points and keep your audience focused. Because it is compact and lightweight, you can carry it anywhere with ease. Comes in various colors; what color you will get will be a surprise.

Easy to Use and Portable

The simple button design makes activation quick and effortless. Slip it into your pocket or bag, and you're ready for classrooms, meetings, or conferences.

Bright LED and Reliable Beam

The built-in LED flashlight provides additional visibility. If you need to shine a bright white light on something while on stage, this has you covered —just press the other button for a flashlight.

LED Laser Pointer Features and Technical Specs

• Laser beam: Clear and reliable for presentations
• LED light: Extra brightness for visibility
• Compact design: Easy to carry and store
• Durable build: Made for daily professional use
• Simple controls: Quick button activation
• Wide applications: Teaching, training, meetings, workshops, or just as a cat toy.

Built for Professionals

Whether you are teaching students, leading a meeting, or speaking at a conference, this LED laser pointer helps you deliver with confidence. It combines portability, reliability, and ease of use in one essential tool.

Jarvis X3 Mini Electric Air Duster and Blower Machine

SKU: JarvisX3
Type: simple
Categories: ! Featured Products !, Gift Ideas

Price: 11,856 kr

Jarvis X3 Mini Electric Air Duster and Blower Machine, Rechargeable compressed air. An environmentally and economically viable replacement for disposable canned compressed air. Rechargeable compressed air offers continual usage, making it the ideal choice.

Equipped with a high-speed brushless motor reaching up to 110,000 RPM, this portable air blower ensures powerful airflow for efficient cleaning. It features a cordless design with a 7.4V 2500mAh battery capacity, offering maximum mobility and convenience. Indeed, the Mini Electric Air Duster meets all your needs for compact dusting.

Compact, powerful, and perfect for car care

The Portable Blower is a lightweight, high-efficiency tool designed for quick and effective car cleaning. Whether you're blasting dust from vents, clearing snow from your windshield, or detailing tight corners, this blower delivers strong airflow in a compact design. Its ergonomic grip and easy one-handed operation make it ideal for both DIY enthusiasts and professional detailers, setting it apart from other similar products.

The efficiency and power encompassed by the Mini Electric Air Duster make it a top choice.

High-speed brushless motor	29MM	Packing information	Detachable hood *4, type-C charging cable *1, manual *1
Maximum speed	110,000 RPM	Product weight	205g

Wind pressure	150g	Product size	131*86*37mm
Battery power	18500mWh	Packing weight	326g
Battery capacity	2500MAH	Package size	152*180*45mm
Maximum battery life	4 hours	Voltage	7.4

• Environmentally friendly, with no compressed can accelerant, it operates efficiently without harming the environment.
• Rechargeable and reduces waste.
• More powerful than the canned air counterpart.
• About the size of a thick cell phone.
• the Mini Electric Air Duster is a must own.

Portable ultra-thin dual-mode rechargeable mouse

SKU: PMUTRM01
Type: variable
Categories: Gift Ideas, Mice

Option: White **SKU:** PMUTRM01-W **Price:** 4,022 kr
Option: Black **SKU:** PMUTRM01-B **Price:** 4,014 kr

Dual-mode Portable Wireless Mouse – Slim and Rechargeable

The Dual-mode Portable Wireless Mouse is designed for comfort, convenience, and style. With its ultra■thin body and lightweight build, it fits easily into any laptop bag or backpack. Because it is wireless, you can enjoy smooth performance without tangled cables.

Dual-mode capable

Supports both Bluetooth and 2.4 GHz connections via USB micro adapter

Slim and Modern Design

The ultra■thin profile makes this mouse perfect for small desks and travel. It looks modern and professional, while still being practical for everyday use.

Rechargeable and Eco■Friendly

Unlike traditional battery■powered mice, this model is rechargeable. Simply plug it in to power up, and you are ready to go. This saves money, reduces waste, and ensures you always have a reliable device.

Features and Technical Specs of the Dual-mode Portable Wireless Mouse

• Wireless connection: Stable and reliable signal
• Dual-mode: Supports both Bluetooth and USB receiver
• Ultra■thin design: Slim profile for portability
• Rechargeable battery: Eco■friendly and cost■effective
• Compact size: Easy to carry and store
• Smooth tracking: Precise control for daily tasks
• Durable build: Made for long■term use
• Plug and play: No software required

Easy Setup and Use

Just plug in the USB receiver and start working, or connect via Bluetooth, whichever works best. The mouse connects instantly without complicated installation. It is compatible with most laptops and desktops, making it versatile for home, office, or travel.

Portable Mini BT speaker

SKU: PMBTS
Type: variable
Categories: Gift Ideas

Option: White **SKU:** PMBTS-W **Price:** 2,578 kr
Option: Pink **SKU:** PMBTS-P **Price:** 2,578 kr
Option: Green **SKU:** PMBTS-G **Price:** 2,571 kr
Option: Blue **SKU:** PMBTS-BL **Price:** 2,578 kr
Option: Black **SKU:** PMBTS-BK **Price:** 2,578 kr

Pocket-sized power with punchy sound—this mini wireless speaker is your go-to audio companion.

The Portable Mini Wireless BT Speaker is a compact yet capable Bluetooth speaker designed for music lovers on the move. With its sleek plastic shell and vibrant color options, it delivers stereo sound through dual 3W drivers, making it ideal for casual listening, mobile entertainment, or as a gift.

As it features only a 3W driver and a lightweight design, it cannot compete with larger speakers in terms of volume or bass; yet, it delivers outstanding sound despite these inherent limitations.

Product specifications:

• Support A2DP, AVRCP, headset, hands-free profile
• Working Range: Up to 10m
• Loudspeaker Output: 3w
• Signal-to Noise: >80dB
• Battery Voltage: DC 5V
• Battery Capacity: 500mAh

■ ***Key Features of the Portable Mini BT speaker:***

• Bluetooth 5.0 connectivity with up to 10 meters of wireless range
• Dual 3W output for crisp stereo sound in a tiny footprint
• Built-in light that blinks to the beat.
• 400mAh rechargeable battery for extended playtime
• Supports USB input and phone function for versatile use
• Compatible with mobile phones, home theater setups, and karaoke systems
• Lightweight design (145g) with retail box packaging

Kingston Kingston M.2 2242 SATA SSD

SKU: OM4P0S3000Q-A0
Type: variable
Categories: Compute, Storage & Memory

Option: 512GB **SKU:** OM4P0S3512Q-A0 **Price:** 24,019 kr
Option: 256GB **SKU:** OM4P0S3256Q-A0 **Price:** 16,039 kr

Compact Storage for Embedded Systems

The **Kingston M.2 2242 SATA SSD series** delivers reliable performance in a small form factor, perfect for Raspberry Pi M.2 HAT+, thin clients, and embedded designs. With various capacities, these drives provide fast boot times, responsive applications, and long-term durability.

Industrial-Grade Reliability

Built for system designers and integrators, Kingston's M.2 2242 SSDs use **TLC NAND flash** and support advanced features like wear-leveling, garbage collection, and firmware control. With a **mean time between failures (MTBF) of 1.5 million hours**, these drives are engineered for consistent performance in demanding environments.

Performance You Can Trust

Each model offers **a SATA Rev. 3.0 (6 Gb/s)** interface with sequential read speeds up to **550 MB/s**. Write speeds vary by capacity, ensuring balanced performance across the lineup. The drives operate within a safe temperature range of **0°C to +70°C**, making them suitable for industrial and consumer applications alike.

Technical Specifications

• Form factor: M.2 2242
• Interface: SATA Rev. 3.0 (6Gb/s)
• NAND: TLC
• Sequential Read/Write: 256GB – up to 550 / 480 MB/s 512GB – up to 550 / 510 MB/s
• 4K Random IOPS: Up to 87,000 / 92,000
• TBW (Total Bytes Written): 256GB – 160TB 512GB – 360TB
• MTBF: 1.5 million hours
• Operating temperature: 0°C ~ +70°C
• Warranty: Limited 3-year warranty

Long-Term Support

With Kingston's global engineering and PCN support, these SSDs are ideal for long-term projects that require stability and a controlled BOM.

Multiport Desktop Charger different combination of USB A and USB C PD

SKU: MDC00
Type: variable
Categories: Accessories

Option: 5x USB-C 3x USB-A **SKU:** MDC8CA600 **Price:** 11,203 kr
Option: 4x USB-C 4x USB-A **SKU:** MDC8CA240 **Price:** 8,052 kr
Option: 10x USB-A **SKU:** MDC10A60 **Price:** 7,349 kr

Multiport Desktop Charger – Charge Multiple Devices Simultaneously

Keep all your devices powered at your desk with a multiport desktop charger designed for home offices, workstations, and shared workspaces. This charging hub eliminates cable clutter by consolidating multiple charging points into a single, compact unit.

Key Benefits

• Charge up to 10 devices simultaneously from one power source
• Compatible with smartphones, tablets, laptops, earbuds, and smartwatches
• Built-in surge protection safeguards connected devices against power spikes
• Intelligent charging technology detects each device and delivers optimal wattage
• Compact footprint saves desk space while maximizing charging capacity
• Universal compatibility with USB-A and USB-C powered devices
• LED indicators display charging status for each connected port

Technical Specifications

Attribute	Value
Total Output Power	65W
USB-A Ports	4 x USB-A upto 10 USB-A depending on model(5V/2.4A each)
USB-C Ports	0 to 5 USB-C (PD 30W max) (depending on model)
Input Voltage	100-240V AC (universal)
Surge Protection	Yes, built-in
Charging Protocol	USB Power Delivery 3.0, Quick Charge 3.0
Cable Length	1.5m power cable
Dimensions	120mm x 75mm x 35mm
Weight	280g
Certifications	CE, FCC, RoHS

Who Is This For?

The multiport desktop charger suits remote workers managing several devices, students keeping phones and tablets charged between classes, and families sharing a common charging station. Its universal voltage input makes it suitable for use in North America, Europe, and Asia without an adapter, just need the proper power cable. Comes with a powercable suitable for Europe

Safety and Build Quality

Integrated over-current, over-voltage, and short-circuit protection ensure safe charging for premium devices including iPhones, Samsung Galaxy phones, iPads, and USB-C laptops. The flame-retardant housing meets international safety standards certified by CE and FCC regulatory bodies.

Oem Slim Mini Wireless Mouse & Keyboard Combo

SKU: KMSlimMini
Type: variable
Categories: Gift Ideas, Keyboard/Mice combo

Option: White **SKU:** KMSlimMiniW **Price:** 8,898 kr
Option: Black **SKU:** KMSlimMiniB **Price:** 8,906 kr

Slim Wireless Keyboard and Mouse – Compact and Reliable

This slim wireless keyboard and mouse set is designed to make everyday computing easier and more comfortable. With a lightweight build and modern design, it fits perfectly into any workspace. Because it is wireless, you can enjoy freedom of movement without messy cables.

Smooth Typing and Precise Control

The keyboard offers responsive keys that let you type fast and accurately. The mini mouse provides smooth tracking and precise control, making it ideal for browsing, working, or studying. Together, they deliver a seamless user experience.

Compact and Portable Design

Slim and lightweight, this set is easy to carry in a laptop bag or backpack. It is perfect for travel, remote work, or small desk setups.

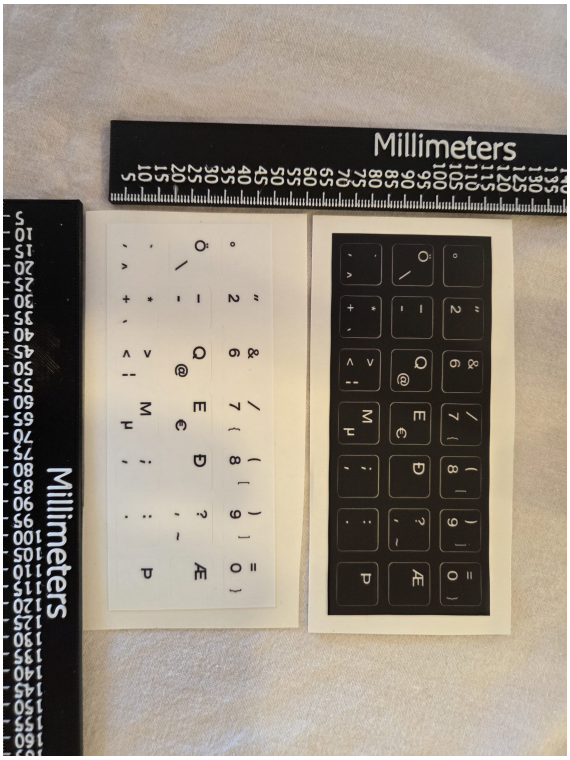
Features and Technical Specs of the Slim Wireless Keyboard Mouse

• Wireless connection: Stable and reliable signal
• Slim design: Saves space and looks modern
• Mini mouse: Compact size with precise tracking
• Responsive keys: Comfortable typing experience
• Plug and play: No software needed
• Portable build: Easy to carry and store
• Durable construction: Made for daily use

Easy Setup and Use

Simply plug in the USB receiver and start working. The keyboard and mouse connect instantly, with no complicated installation. They are compatible with most laptops and desktops, making them versatile for different devices.

Icelandic Keyboard layout stickers



SKU: ISL-all
Type: variable
Categories: Keyboards

Option: Black **SKU:** ISL-B **Price:** 2,410 kr
Option: White **SKU:** ISL-W **Price:** 2,410 kr

Icelandic Keyboard Layout Stickers Sheet – Transform Any Keyboard Instantly

Upgrade your typing experience with our **Icelandic keyboard layout stickers label sheet**, designed to convert any standard keyboard into a fully functional Icelandic layout in minutes. Perfect for students, professionals, and language enthusiasts, these durable stickers make learning and typing in Icelandic affordable and straightforward.

■ *Key Features*

• Universal Fit: Works with laptops, desktop keyboards, and mechanical keyboards of all sizes.
• Easy Application: Peel-and-stick design makes installation quick, tool- and technical-knowledge-free.
• Durable & Long■Lasting: Made from high■quality, wear■resistant material with a matte finish to prevent fading.
• Clear Icelandic Characters: Crisp printing of Icelandic letters (Á, Ð, Þ, Æ, Ö, etc.) for accurate typing.
• Cost■Effective Solution: No need to buy a new keyboard—transform your existing one instantly.

■ *Ideal For*

• Icelandic language learners
• Expats and travelers in Iceland
• Multilingual professionals
• Anyone who wants to type in Icelandic without replacing their keyboard

These **Icelandic keyboard stickers** are an innovative, budget■friendly way to practice the Icelandic alphabet and improve your typing speed. Whether you’re studying the language, working abroad, or simply want to stay connected with Icelandic culture, this keyboard label sheet makes the transition smooth and stress■free. With easy installation and long■lasting durability, it’s the perfect tool to help you type confidently in Icelandic every day.

High Quality Portable Outdoor Waterproof BT Speaker

SKU: HQPBTS
Type: variable
Categories: Gift Ideas

Option: Red **SKU:** HQPBTS-RED **Price:** 5,634 kr
Option: Blue **SKU:** HQPBTS-BLU **Price:** 5,634 kr
Option: Black **SKU:** HQPBTS-BLK **Price:** 5,626 kr

Product Features:Discover the ultimate in sound performance with our High Quality Portable Outdoor Waterproof BT Speaker.	
Product Name	TG117 speaker
Color	Red, Black, Blue, Gray, Camouflage, Blue+yellow, Blue+red
Material	Plastic
Battery	Built-in Lithium battery 1200mAh
Working Range	Up to 10m

• Waterproof and Durable Design: The Tg117 Sports Waterproof Portable Subwoofer is designed to withstand harsh outdoor conditions, making it perfect for users who enjoy listening to music while engaging in water activities or in humid environments. This speaker truly represents a high-quality portable outdoor waterproof BT speaker, meeting all your durability needs.
• Long-Lasting Battery Life: With a battery capacity of 1200mAh and a maximum playing time of 3-4 hours, this portable speaker ensures that users can enjoy their music for an extended period without the need for frequent recharging. Its high-quality build supports seamless performance, making it an exemplary high-quality portable outdoor waterproof BT speaker.

• Compact and Portable Size: Measuring 168*75.8*79.8mm and weighing 419g, the Tg117 is an ultra-portable speaker that can be easily carried around, making it ideal for outdoor enthusiasts and music lovers on the go. This device epitomizes a waterproof BT speaker, crafted precisely as a high-quality portable outdoor option for mobility, showcasing a perfect blend of size and features.
• High-Quality Sound: The speaker's 10W output power and full-range audio crossover ensure a rich and immersive sound experience, perfect for users who want to enjoy their music in high definition. Experience sound like never before with a BT speaker that combines high quality, portability, and waterproof outdoor capabilities in your collection.

USB 3.0 to Gigabit Ethernet LAN Network Adapter – High-Speed Wired Internet for MacBook Laptop and Desktop

SKU: GigE-USB
Type: simple
Categories: Network Adapters

Price: 3,151 kr

Upgrade your connectivity with this **USB 3.0 to Gigabit Ethernet LAN Network Adapter**, designed to provide a stable, high-speed wired internet connection for your MacBook, laptop, or desktop. Perfect for online gaming, HD streaming, video conferencing, or large file transfers, this adapter ensures reliable performance when Wi-Fi isn't enough.

Key Features

• High-Speed Data Transfer: Supports 10/100/1000 Mbps Gigabit Ethernet, delivering ultra-fast wired network speeds for seamless online experiences.
• USB 3.0 Compatibility: Fully compliant with USB 3.0 Specification Revision 1.0 and backward compatible with USB 2.0, ensuring broad device support.
• Superior Performance: Data transfer rates of Super Speed 5.0 Gbps and High Speed 480 Mbps for efficient and lag-free connectivity.
• Full & Half Duplex Support: Compatible with IEEE 802.3x flow control (full duplex) and back pressure flow control (half duplex) for optimized network traffic.
• Energy Efficient: Meets Energy Efficient Ethernet (EEE) standards, reducing power consumption without sacrificing performance.
• VLAN Tagging: Supports IEEE 802.1q VLAN Tagging, ideal for advanced network configurations.
• Jumbo Frame Support: Handles 4KB Jumbo Frames, improving data throughput for large file transfers.
• Plug & Play: No external power required—simply connect and use. Hot-swappable for instant connectivity.
• LED Indicators: Built-in Link and Activity LEDs for real-time network status monitoring.
• Wide OS Compatibility: Works with Windows 8/7/Vista/XP (32/64-bit), macOS 10.5x and above, and Linux, ensuring seamless integration with most systems.

Specifications

Interface	USB 3.0 (Type-A) to RJ45 Gigabit Ethernet
Ethernet Speed	10/100/1000 Mbps
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Power	Bus-powered (no external adapter needed)
Dimensions	Compact and portable design
Certifications	CE, FCC, RoHS compliant

Ideal For

• MacBook, Ultrabook, and Laptop Users – Add a reliable wired connection to devices with limited or no Ethernet ports.
• Gamers & Streamers – Reduce latency and improve stability for online gaming and HD streaming.
• Professionals – Ensure fast, secure file transfers and video conferencing.
• Home & Office Networks – Enhance network reliability for workstations and servers.

Package Includes

• 1x USB 3.0 to Gigabit Ethernet Adapter
• 1x User Manual

Why Choose This Adapter?

• Stable Connection: Avoid Wi-Fi interference and enjoy consistent speeds.
• Portable & Lightweight: Easy to carry for travel or office use.
• Universal Compatibility: Works with most operating systems and devices.
• Durable Build: High-quality materials for long-lasting performance.

Get fast, reliable wired internet wherever you go—order your **USB 3.0 to Gigabit Ethernet Adapter** today!

Ergonomic Wireless Mouse

SKU: EWM325
Type: simple
Categories: Gift Ideas, Mice

Price: 4,820 kr

Ergonomic Wireless Mouse – Comfortable and Adjustable

This ergonomic wireless mouse is designed to make everyday computer work easier, smoother, and more comfortable. With a smart design that supports your hand and wrist, it helps reduce strain during long hours of use. Because it is wireless, you can move freely without worrying about tangled cables.

Smooth Performance and Easy Control

The mouse features **three adjustable DPI levels**. This means you can quickly change sensitivity for different tasks. Use a lower DPI for precise work like editing photos, and a higher DPI for fast browsing or gaming. The quick-switch button makes it easy to adjust on the go.

Compact and Portable Design

Lightweight and easy to carry, this mouse fits perfectly in a laptop bag or backpack. It is ideal for office, home, or travel use. The wireless connection is stable, so you can rely on smooth performance wherever you are.

Features and Technical Specs

• Wireless connection: Stable and reliable signal
• Ergonomic design: Supports hand and wrist comfort
• Three DPI levels: Adjustable sensitivity for different tasks
• Compact size: Easy to carry and store
• Durable build: Made for long-term daily use
• Plug and play: No complicated setup required

Easy Setup and Use

Simply plug in the USB receiver and start working. The mouse connects instantly without extra software. Because it is compatible with most laptops and desktops, you can use it across multiple devices.

Built for Everyday Needs

Whether you are working, studying, or gaming, this ergonomic wireless mouse adapts to your needs. It combines comfort, portability, and performance in one simple device.

Electric Nose Hair Trimmer

SKU: ENHT363
Type: simple
Categories: Gift Ideas

Price: 2,094 kr

Electric Nose Hair Trimmer – Grooming Made Easy

You can take care of your grooming routine with this electric nose hair trimmer. Designed for precision and convenience, it removes unwanted hair quickly and safely, helping you maintain a clean and polished appearance every day.

Safe and Painless Trimming

Equipped with high■quality blades, the trimmer ensures smooth results without pulling or irritation. Sensitive areas such as the nose and ears are protected, making grooming comfortable and stress■free.

Multi■Functional Grooming Tool

More than just a nose trimmer, this device is versatile enough to handle ear hair, eyebrow shaping, and neckline touch■ups. Its ergonomic design makes it easy to maneuver for professional■looking results at home.

Compact and Portable Design

Lightweight and travel■friendly, the trimmer fits easily into a bag or carry■on. Whether you're at home, in the office, or on the go, you'll always have a reliable grooming tool at hand.

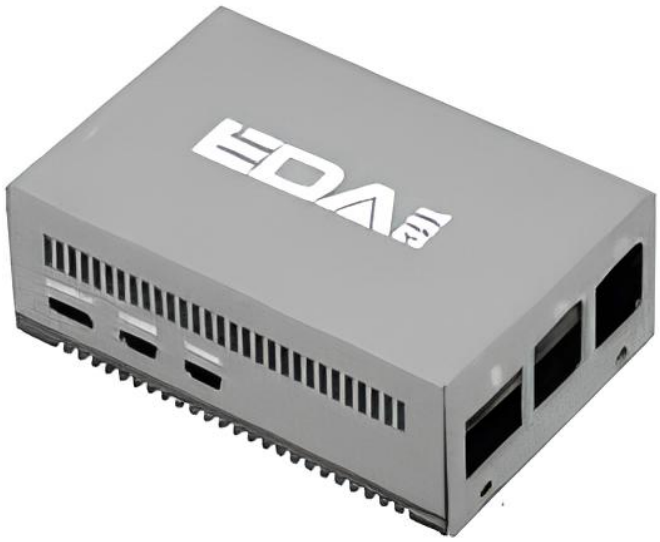
Easy to Clean and Maintain

The detachable head allows for simple rinsing, keeping the trimmer hygienic and ready for the next use. Durable construction ensures long■lasting performance

Product Highlights – Electric Nose Hair Trimmer

• Requires one AA battery, not included.
• Precision trimming: High■quality blades designed to safely remove unwanted hair from the nose, ears, eyebrows, and neckline.
• Safe & painless grooming: Engineered to protect sensitive areas, delivering smooth results without pulling or irritation.
• Compact & portable: Lightweight design makes it easy to carry in a travel bag, gym kit, or office drawer.
• Quiet operation: Low■noise motor ensures discreet grooming anytime, anywhere.
• Durable construction: Built to withstand daily use, offering reliable performance over time.
• Eco■friendly design: Rechargeable power reduces waste compared to disposable trimmers.
• Easy to clean: Simple maintenance with detachable head for quick rinsing and hygiene.
• Ergonomic grip: Comfortable to hold and maneuver, even during detailed trimming.
• Multi■functional tool: Versatile enough for facial hair touch■ups, neckline maintenance, and eyebrow shaping.
• Travel■ready: Compact size fits easily into luggage or carry■on for grooming on the go.
• Universal appeal: Designed for anyone who values convenience, confidence, and a polished appearance.

EdaTec Metal Case for Raspberry Pi 5



SKU: ED-Pi5Case-EXT
Type: simple
Categories: Compute

Price: 3,949 kr

Metal Case for Raspberry Pi 5 with room for an active cooler and a HAT, as well as a place to mount Camera 3 on the front of the case. THIS IS ONLY THE CASE. You can purchase the Raspberry and desired accessories separately.

Capacitive Stylus for Apple iPad 2018 or newer

SKU: CapStylus01
Type: simple
Categories: Gift Ideas, Mice

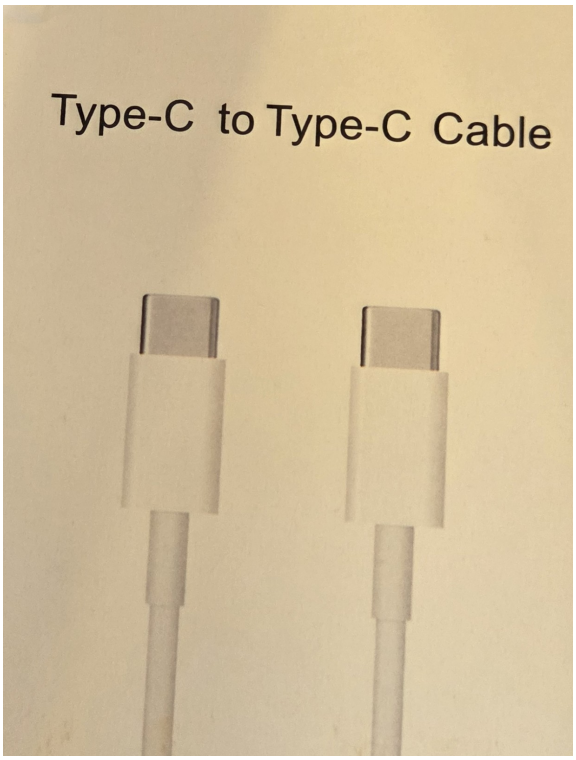
Price: 5,795 kr

Capacitive Stylus for Apple iPad 2018 or newer

Key attributes

• Type: active capacitive
• Material: Metal, Aluminum Alloy
• Use: Tablet
• Feature: Magnetic Attraction, replaceable nib, active sensing technology, Palm Rejection, tilt angle sensing
• Place of origin: Guangdong, China
• Function: Touch Screen+write+drawing
• Lithium battery Capacity: Li-polymer 130mAh
• Charge Time: 60-80 minutes
• Working time: 12-15 hours
• Pen tip: POM material with 1 replacement tip
• Certification: CE
• Length: 163mm
• Diameter: 9.6mm
• Weight: 13.4g
• Switch: Double-tap the touch switch
• Indicator light: The off switch has no indicator color, and the on switch is blue. When the red light is on, it means normal charging. When the charging is complete, it turns green.
• Auto sleep: After five minutes of inactivity, the stylus will enter sleep mode.

USB-C to USB-C Charging cables 1.2 m



SKU: C2CCable
Type: simple
Categories: Cables

Price: 1,120 kr

Inexpensive USB-C to USB-C Charging cables 1.2 meter

Bluetooth foldable arc mouse with touchpad scrolling

SKU: BTWTPMMFold
Type: variable
Categories: Gift Ideas, Mice

Option: Black **SKU:** BTWTPMMFold-B **Price:** 12,017 kr
Option: White **SKU:** BTWTPMMFold-W **Price:** 12,009 kr

Experience ultimate portability and comfort with the **Bluetooth Folding Mouse**, designed for modern professionals and students on the go. This innovative **arc-style wireless mouse** combines sleek design with powerful functionality, making it the ideal companion for laptops, tablets, desktops, and TV boxes.

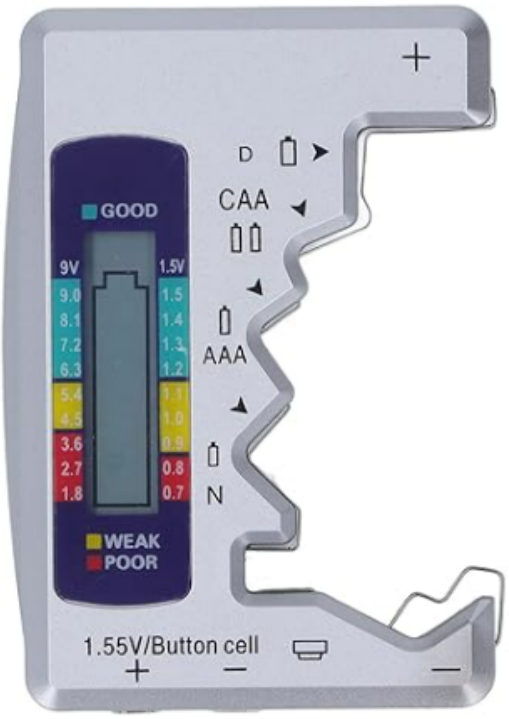
■ **Highlights:**

• Bluetooth Connectivity – Stable wireless performance up to 10 meters.
• Folding Arc Design – Ergonomic, space-saving, and perfect for travel.
• Touch Pad Scrolling – Smooth navigation with intuitive touch control.
• High Precision 1200 DPI Tracking – Accurate performance for work, gaming, or browsing.
• Lightweight & Durable – Compact build powered by 2 AAA batteries.
• Universal Compatibility – Works seamlessly across multiple devices.
• Custom Branding Available – Logo printing and packaging design for bulk orders.

Backed by a **1-year warranty**, the **Folding Mouse** delivers style, convenience, and reliability at an affordable price. Whether you're working remotely, studying, or traveling, this foldable mouse ensures you stay productive anywhere.

■ Elevate your digital experience with the **Bluetooth Folding Mouse** — the smart, portable solution for modern computing.

AAA/AA/9V/D battery tester Battery level tester



SKU: BT886
Type: simple
Categories: Gift Ideas, Miscellaneous

Price: 959 kr

This simple battery tester is suitable for testing AAA, AA, 9V, and D batteries. Despite claims on the packaging, it can not test button cells or C batteries.

ANENG BT-168 Universal Battery Tester for all 1.5 and 9v Batteries.

SKU: BT168
Type: simple
Categories: Gift Ideas

Price: 2,079 kr

ANENG BT-168 Universal Battery Tester for all 1.5 and 9v, including AA / AAA / C / D / 9V Batteries.

Item Description:

Type	Battery Tester	
Material	ABS	
Size	113*64*30mm	
Color	Black	
Three result	Red	Replace
Yellow	Low Power	
Green	Good	

• Tests 1.5V miniature cells, making it an essential universal battery tester for both 1.5V and 9V batteries.
• Checks the power level of all 1.5V & 9V batteries.
• Easy-to-read, color-coded meter indicates power level.
• Universal Button Battery Checker Tester for AA / AAA / C / D / 9V Batteries. This makes it the ideal tester for 1.5 and 9V batteries universally.
• Place your battery between the two points of the battery tester, and the easy-to-read display will instantly indicate whether you have a dud or if you can eke out a few more minutes of battery life.

• For cylinder batteries, such as AA / AAA / C / D, as well as button batteries, place the battery in the slider with the positive pole facing the red slider. Then, slide the slider until both ends are in contact.

Note:

• If the needle does not move, check that the battery is making contact with both contacts and the polarity is correct before assuming it is completely dead.
• The battery tester is activated by the battery being checked. Keep test times short to avoid unnecessary drain from 1.5 and 9V batteries alike.

Ultra Slim Keyboard and Mouse Combo

SKU: 78KeySlimKM
Type: simple
Categories: Gift Ideas, Keyboard/Mice combo

Price: 5,682 kr

Introduction

This wireless keyboard and mouse combo is both ultra slim and very quiet. It features:

• ultra slim, easy to carry
• 2.4G wireless 10m operation range
• quiet operation
• slim body
• ergonomic scissor switch keys
• multimedia keys

• auto sleep
• plug and play
• Thin and lightweight

Ultra Slim Silent Key 2.4G wireless keyboard and mouse combo

Effective distance	10M
Keyboard size	418*119*20 mm
Key stroke life	3-5milion times
Number of keys	108
Keyboard material	ABS
Keyboard weight	450G
Certificates	CE, ROHS, FCC
Battery	2*AAA

Mouse specification

• Mouse DPI: 800, 1200, 1600
• Wake-up method: Press any button
• Duration of service: 3 million strikes

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2 in 1 Screen Cleaner Spray With Microfiber Cloth

SKU: 2n1ScreenClean
Type: simple
Categories: Gift Ideas

Price: 1,265 kr

2 2-in-1 1 Screen Cleaner Spray with Microfiber Cloth. Fill it with your favorite screen cleaner (such as water or other screen-friendly cleaner), spray it on your device, and use the cloth wrapped around the spayer to wipe it off and polish your screen.

Mobile Phone magnifier

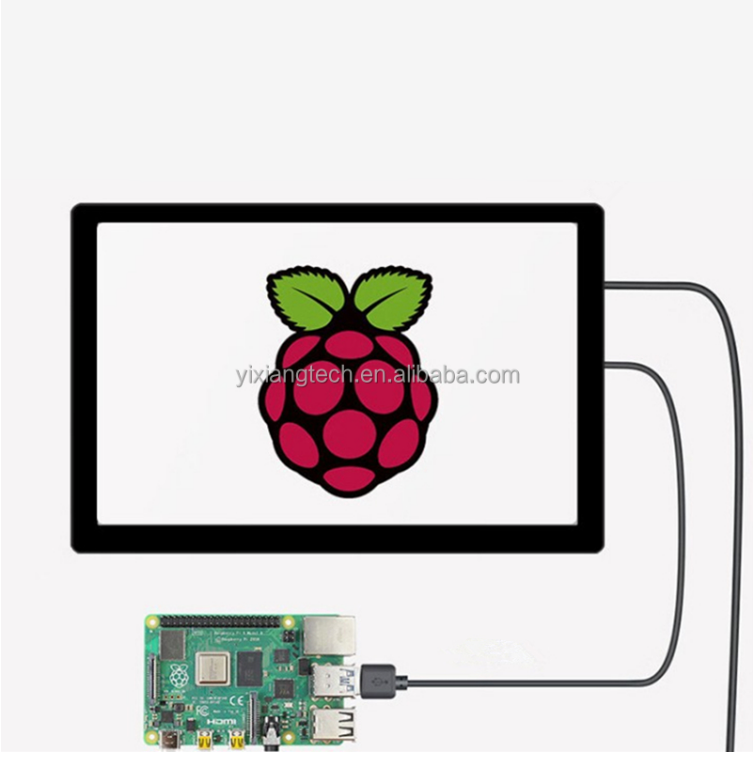
SKU: 12inPhMag-black
Type: simple
Categories: Gift Ideas

Price: 3,216 kr

Black 12"; Mobile Phone 3D Projector Screen with Foldable Holder Stand Screen Magnifier.

• Set it on a flat surface
• open it up,
• start playing a video on you phone
• watch your movie in a 12" size

10.1 inch IPS Touchscreen HDMI



SKU: 10.1TC-HDMI
Type: simple
Categories: Compute

Price: 28,847 kr

10.1-inch IPS Touchscreen monitor with HDMI and USB-C connectors. Although it isn't specifically Thunderbolt, it should work fine with a Thunderbolt connector. This monitor is ideal for use with a Raspberry Pi. Also suitable for Mac Mini and other mini PC's. Suitable for game consoles such as the Nintendo Switch, PlayStation 4, PlayStation 5, and Xbox Series X/S. We have only tested it with Raspberry Pi 5. According to the manufacturer, this display is designed to function as an extended display for mobile phones via the USB-C cable; however, we have not verified this claim. Features automatic recognition of video signal and resolution.

Key attributes

screen size: 10.1-inch diagonal; 218 x 136 mm H x W
Bezel: 12 MM
resolution: 1280x800
panel type: IPS
refresh rate: 60 Hz
response time: 8 Ms
Screen Type: LCD
built-in speaker: Yes
color: Black
Interface Type: mini HDMI, two USB-C, 3.5 mm headphone jack
brightness: 350cd/m
contrast ratio: 800:1
display ratio: 16:10
backlit type: LED
place of origin: Guangdong, China
Material: ABS
Screen type: IPS Panel (180° viewing)
Resolution: 1280x800
Product size: 242 x 160 x 10mm
Weight: 650g
Power supply: 5V 2A
VESA Connector: 75mm

Firewalla Firewalla Cybersecurity Firewall & Router [Close out sale]

SKU: FWA-00
Type: variable
Categories: SOHO

Option: Purple **SKU:** FWAPurpleSE **Price:** 72,459 kr
Option: Gold **SKU:** FWAGoldOpen **Price:** 117,947 kr

This comes in two varieties

Firewalla Gold Plus (Open Box/Used/Returned Stock)

Attributes:

• Condition: Open Box/Used/Returned Stock (No Original Packaging)
• Network Speed: Up to 5+ Gigabits per second
• Ethernet Ports: 4x 2.5Gbit
• Key Features: Intrusion prevention (IPS), network segmentation, unlimited VLANs, regional blocks, ad blocking, and category-based site blocking (Gaming, Social, Video, Porn, Gambling, P2P)
• Management: Smartphone app required
• Monthly Fees: None for standard features
• Return Policy: Not available on this closout sale

Long Description:
The Firewalla Gold Plus (Open Box/Used/Returned Stock) is a high-performance cybersecurity firewall and router designed for networks requiring multi-gigabit protection. It delivers up to 5+ Gbps throughput and includes 4x 2.5Gbit Ethernet ports for robust connectivity. Powered by the Firewalla Security Stack, it

provides deep network insight, intrusion prevention, and advanced segmentation to create virtual walls around your devices.

This unit is ideal for both home and business use, offering features such as ad blocking, site category blocking, and unlimited VLANs. The Gold series is known for its ease of use, with all management handled via the Firewalla mobile app. There are no monthly fees for standard features. This open box/used/returned stock unit is fully functional and tested, but does not include original packaging. ***Sold AS-IS without any guarantee, and is not returnable.***

Firewalla Purple SE

Attributes:

• Condition: New
• Network Speed: Up to 1 Gigabit per second
• Ethernet Ports: Gigabit
• Key Features: Intrusion prevention, VPN client/server, family-safe controls, scheduled device access, safe search, network segmentation, and app blocking
• Management: Smartphone app required
• Monthly Fees: None for standard features
• Return Policy: Not returnable

Long Description:
The Firewalla Purple is a gigabit cybersecurity firewall and router, designed to protect both families and small businesses. It offers intrusion prevention, VPN capabilities, and comprehensive family-safe controls, including scheduled device access and safe search enforcement.

With Firewalla Purple, you gain full visibility and control over your network, allowing you to block apps, segment devices, and isolate smart home equipment. The Purple model is compact, energy-efficient, and supports network speeds up to 1 Gigabit, making it ideal for users seeking a balance of performance and affordability. All features are managed through the Firewalla mobile app, with no monthly fees for standard functionality.

Sold AS-IS without any guarantee, and is not returnable.

Water-repellent Faraday Bags

SKU: FDWPFP
Type: variable
Categories: Gift Ideas, Outdoor

Option: XL **SKU:** FDWPFP04-XL **Price:** 4,828 kr
Option: L **SKU:** FDWPFP03-L **Price:** 3,949 kr
Option: M **SKU:** FDWPFP02-M **Price:** 3,216 kr
Option: S **SKU:** FDWPFP01-S **Price:** 2,410 kr

Water-repellent Faraday Bags provide anti-tracking, anti-hacking, and water-repellent protection for laptops, tablets, phones, and car keys. Made from high-quality fiberglass material. This ensures durability and reliability across all seasons.

The product is available in multiple sizes to meet various needs. The largest size measures 43 x 38 cm and weighs 269 g. It is designed for both functionality and practicality. This makes it ideal for safeguarding electronic devices in water-repellent Faraday enclosures against signal interception and environmental damage.

This also ensures that while the device is in the bag, no one can hack into it. Additionally, the device will not bug you. While the device is in the bag, no signal leaves the device. Therefore, no signal can reach it.

Devices will absolutely disconnect from wireless networks. Bluetooth devices will also disconnect while in a closed bag. This means that your cellphone will be out of range while in the bad area and won't bother you with notifications, thanks to water-repellent Faraday features.

Excellent water-repellent, water splashes will not penetrate. Immersing in water or being subjected to constant waterspray will penetrate seams and closures, but these water-repellent Faraday bags are durable enough for general use.

Four sizes are available:

• XL■43*38cm■269g■
• L■33*26cm■151g■
• M■27*20cm■108g
• S■21*12cm■55g

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2 in 1 Pocket Pen Type Mini Screwdriver

SKU: 2in1SD
Type: variable
Categories: Gift Ideas

Option: White **SKU:** 2in1SD-white **Price:** 966 kr
Option: Red **SKU:** 2in1SD-red **Price:** 966 kr
Option: Green **SKU:** 2in1SD-green **Price:** 959 kr
Option: Black **SKU:** 2in1SD-black **Price:** 966 kr
Option: Blue **SKU:** 2in1SD-blue **Price:** 966 kr

2 in 1 Pocket Pen Type Mini Screwdriver. A great little screwdriver with a pen clip, allowing you to carry it in your pocket or clip it to other locations. The blade is made from #45 steel, and the handle is made from plastic. The blade pulls out of the handle and features a #0 Phillips screwdriver bit on one end and a 3 mm flathead screwdriver on the other. The entire item measures 148 mm in length, and the handle is 81 mm in length and 12 mm in diameter with a domed top. The shaft, with blades on either end, is six-sided and approximately 5 mm in diameter, measuring 100 mm in length.

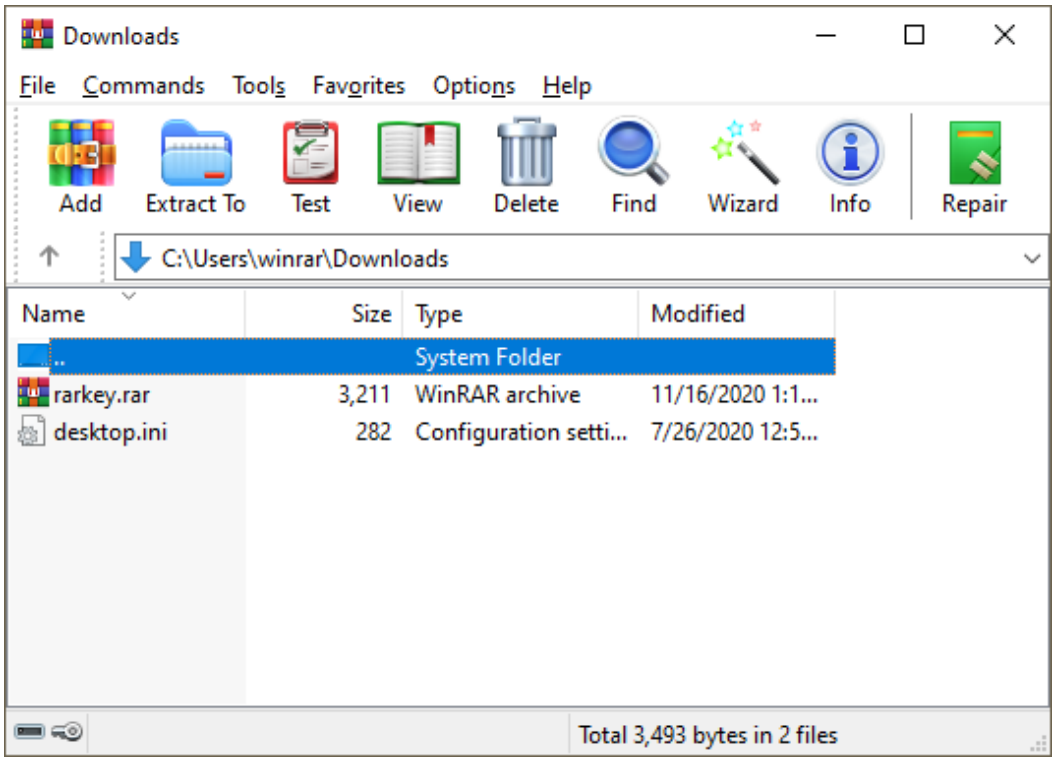
USB C to RJ45 2.5 Gigabit Ethernet Adapter

SKU: 2.5GE2USB
Type: variable
Categories: Gift Ideas, Network Adapters

Option: none **SKU:** 2.5GE2USB-stub **Price:** 4,183 kr
Option: short **SKU:** 2.5GE2USB-cable **Price:** 3,812 kr

USB-C to RJ45 2.5 Gigabit Ethernet Adapter. Need a fast USB Ethernet dongle. This one will give you a whopping 2.5 Gbps if the switch port supports it. Otherwise, it will support whatever speed your switch is willing to negotiate.

WinRAR WinRAR Windows Compression tool



SKU:
Type: variable
Categories: Software

Option: With Maintenance **SKU:** WinRAR-Maint **Price:** 8,995 kr
Option: Without Maintenance **SKU:** WinRAR-NoMaint **Price:** 7,721 kr

WinRAR Windows Compression tool

WinRAR Windows Compression tool provides individuals, businesses, government agencies, and many other industries with the perfect solution for sharing and storing data safely and securely.

The amount of data that businesses and individuals need to process daily is growing exponentially every year. The increasing and ever-changing requirements for the protection of sensitive information, new government regulations, limits on storage capacity, safeguarding of intellectual property, and a global workforce all present new challenges to individuals and companies alike.

WinRAR Windows Compression tool features

• Compression – WinRAR Windows Compression tool is considered the best and fastest compression tool on the market. RAR or Zip your files, to protect, organize and share them safely and securely.
• Encryption – Military-grade AES 256-bit encryption technology that password protects archives including all metadata.
• RAR Files – WinRAR Windows Compression tool is the only software that can create RAR archives and offers a number of advanced features such as multivolume archives, tight compression and a recovery record.

• Password Manager – Integrated password manager assists in keeping track of difficult and hard to remember passwords for password protected archives.
• Perpetual License – Perpetual license model, valid for a lifetime. No subscription.
• Recovery Record – WinRAR products are designed to recover damaged files.
• Split Archives – Split archives into smaller, more manageable files.
• Backup – Advanced backup options, time-stamped files and previous file version retention.
• Drag-and-drop – Fully supported drag-and-drop functionality.
• Language Version – WinRAR Windows Compression tool are available in over 40 languages.
• Virus Scan – Built-in virus scanner prevents corrupted archives from being unpacked.
• Multivolume Archives – Complete support for multivolume archives and the creation of self-extracting (SFX) archives.
• Unicode – Supports Unicode file names.
• Compliance – Admin controls allow complete control over passwords, prevents accidental modification of archives and protects data.

WinRAR Windows Compression tool SYSTEM REQUIREMENTS

WinRAR is compatible with:

• Windows 11
• Windows 10
• Windows 8
• Windows 7

RAR for Linux & Mac is compatible with:

• MacOS – Command Line Only
• Linux – Command Line Only
• FreeBSD – Command Line Only

RAR for Android is compatible with:

• Android 4.4 and up

The WinRAR Maintenance Package includes:

• Upgrade Assurance: You are supporting the continuous improvement of WinRAR and we make sure that you can always get the latest version during this one-year period of your subscription.
• One Year Premium Support: Any WinRAR related support questions you may have will be treated by us with priority for one full year from the date of purchase. Please note that we offer support in English and German language only.
• Lost Key Support: Don't worry if you have lost your WinRAR key, we will re-send it to you via e-mail within 48 hours of receiving your request.

MikroTik 48V2A96W

SKU: 48V2A96W
Type: simple
Categories: MikroTik Products, Powersupply

Price: 9,176 kr

48 V 2 A 96 W power supply, to be used with our products that support 48 V POE output, like hEX PoE and CRS112-8P-4S-IN. It’s providing 30% more current than the old model 48POW (48 V 1.46 A 70 W), allowing more power per port.

Comes with the power plug of your choice (EU, US or UK version).

Included parts

• IEC cord

MikroTik GESP

SKU: GESP
Type: simple
Categories: MikroTik Products, Powersupply

Price: 6,796 kr

GESP is Gigabit Ethernet Surge Protector that can be used to protect the network from lightning or surge damages.

Here’s what a typical use-case would be like. You have a mast with some antennas. And some switches on the ground. Put the GESP surge protectors on each end. They come sealed inside a new and improved IP67 weatherproof enclosure. Your antennas are now safe during a lightning storm.

Don’t forget about the grounding wire! Secure it to the rackmount, mast, or any other structure that is connected to the ground. For maximum protection, you should use a surge protector on both ends of long cables.

Included parts

• K-73 fastening set

MikroTik 48POW

SKU: 48POW
Type: simple
Categories: MikroTik Products, Powersupply

Price: 4,318 kr

48POW: 48V 1.46A 70W Power Adapter + Power plug

Specifications

Details	
Product code	48POW
Current	1.46A
Input voltage	110/220V
Output Voltage	48V

MikroTik 24HPOW

SKU: 24HPOW
Type: simple
Categories: MikroTik Products, Powersupply

Price: 4,318 kr

High power 24V 2.5A power supply + power plug.

Recommended for long cable runs with several high power wireless cards.

Specifications

Details	
Product code	24HPOW
Input voltage	100/240V 1.6A
Tested ambient temperature	-30■ to +50■

Other

Details	
Output Voltage	24V 2.5A

Included parts

• IEC cord

MikroTik GPEN11

SKU: GPEN11
Type: simple
Categories: MikroTik Products, Powersupply

Price: 3,398 kr

The GPEN11 is a power injector that can be mounted on a wall, and will power your uplink devices with PoE power. The GPEN11 is part of the GPEN (Gigabit Passive Ethernet Network) concept, which aims to replace GPON installations with lower cost and more easy to deploy ethernet alternative.

It also has a designated space for an ISP sticker on the front. Sticker size: 6,6 x 2,54 cm.

Specifications

Details	
Product code	GPEN11
Tested ambient temperature	-40..+70C

Powering

Details	
Number of DC inputs	1 (DC jack)
DC jack input Voltage	12-57 V
Cooling type	Passive

PoE-out

Details	
PoE-out ports	Ether2
PoE out	Passive PoE
Max out per port output (input 18-30 V)	2 A
Max total out (A)	2 A

Ethernet

Details	
10/100/1000 Ethernet ports	2
Number of 1G Ethernet ports with PoE-out	1

Certification & Approvals

Details	
Certification	CE, EAC, ROHS

MikroTik GESP+POE-IN

SKU: GESP+POE-IN
Type: simple
Categories: MikroTik Products, Powersupply

Price: 3,229 kr

You can’t buy safety, but you can buy MikroTik devices to keep your setup safe. Take a look at the GESP product line. It consists of a new revision of the classic MikroTik GESP surge protector and a brand new device – the GESP+POE-IN, a passive PoE injector with surge protection. Together these two devices offer maximum security and peace of mind.

Here’s what a typical use-case would be like. You have a mast with some antennas. And some switches on the ground. Put the GESP surge protector up there. It comes sealed inside a new and improved IP67 weatherproof enclosure. Your antennas are now safe during a lightning storm. Now add the GESP+POE-IN injector below the mast - to protect the switches and to power the antennas.

Don’t forget about the grounding wire! Secure it to the rackmount, mast, or any other structure that is connected to the ground. For maximum protection, you should use a surge protector on both ends of long cables.

These small devices can make all the difference when it comes to lightning strikes or static build-up.

The GESP units can usually absorb multiple impacts, but make sure to check their condition after each surge. For attachment of GESP units, we recommend using PVC zip ties. Just don’t make it too tight.You know what they say – hope for the best, prepare for the worst. This small investment can save lots of time and money, so why risk it? Grab a GESP & GESP+POE-IN and put your mind at ease!

Included parts

• K-73 fastening set

MikroTik MT48-570080-11DG

SKU: MT48-570080-11DG
Type: simple
Categories: MikroTik Products, Powersupply

Price: 2,878 kr

MT48-570080-11DG is 57 V, 0.8 A power supply. It's part of our GPEN concept, that provides all the benefits of GPON but utilizes well-proven, simple and inexpensive Ethernet solutions.

MT48-570080-11DG allows using long Ethernet cable runs and multiple GPER units - please refer to the table in the last page of GPEN concept brochure in the link below.

Read more information about GPEN concept.

MikroTik MT48-480095-11DG

SKU: MT48-480095-11DG
Type: simple
Categories: MikroTik Products, Powersupply

Price: 2,878 kr

MT48-480095-11DG is 48 V, 0.95 A power supply. It's part of our GPEN concept, that provides all the benefits of GPON but utilizes well-proven, simple and inexpensive Ethernet solutions.

MT48-480095-11DG allows using long Ethernet cable runs and multiple GPER units - please refer to the table in the last page of GPEN concept brochure in the link below.

Read more information about GPEN concept.

MikroTik 18POW

SKU: 18POW
Type: simple
Categories: MikroTik Products, Powersupply

Price: 2,099 kr

24V 0.8A Power Supply

Recommended for routers with low power consuption.

Specifications

Details	
Product code	18POW
Input voltage	110/220V 0.7A
Output Voltage	24V 0.8A
Tested ambient temperature	-30■ to +50■

MikroTik RBGPOE

SKU: RBGPOE
Type: simple
Categories: MikroTik Products, PoE Injector

Price: 1,839 kr

The new MikroTik Gigabit PoE adapter for powering any RouterBOARD over Gigabit Ethernet. Simply connect your power source and then use an ethernet cable to connect the injector to the RouterBOARD device.

Helps reducing number of wires that lead up the tower.

For using with any RouterBOARD that supports 18-57V; PIN 4,5 18-57V; PIN 7,8 RETURN.

The GPOE has shielded connectors.

Specifications

Details	
Product code	RBGPOE
Current	2A
Input voltage	18-57 V
Output Voltage	Same as input
Tested ambient temperature	-40°C to 70°C

MikroTik RBPOE

SKU: RBPOE
Type: simple
Categories: MikroTik Products, PoE Injector

Price: 1,188 kr

Low-cost passive PoE base unit for powering passive PoE devices over ethernet. Simply connect your power source to the injector, and then use an ethernet cable to connect the injector to the RouterBOARD device. Helps reducing number of wires that lead up the tower, and in other situations.

For using with RouterBOARDS that support 10-28V PoE powering, input needs to be at least 18V to accomodate any losses in cables.

Product specifications

Details	
Product code	RBPOE
Input voltage	10 - 28 V
Output Voltage	Same as input

MikroTik S+RJ10

SKU: S+RJ10
Type: simple
Categories: MikroTik Products, SFP+

Price: 15,291 kr

This unique module opens up a whole world of high speed connectivity possibilities, offering up to 10 Gbps speeds over regular familiar twisted-pair cables in your existing products that have SFP+ ports. Any MikroTik device with active cooling that has SFP+ ports can now be used without installing any optical fiber, just plug the S+RJ10 and your network can be upgraded to 10 Gbps, making it ready for the next generation of RJ45 hardware.

The latest revision of S+RJ10 contains "/r2" by the end of serial number. It comes with following improvements:

- Jumbo frames up to 10218 Bytes are now supported for rates 2.5Gbps, 5Gbps and 10Gbps;

- Link speed reporting is fixed - actual link speed in the interface menu is listed. Previously 100M/1G/2.5G/5G link speeds were not reported correctly;

- DDM monitoring (Supply Voltage, Module temperature) is now supported.

Product specifications

Details	
Product code	S+RJ10
Connector	RJ45
Data Rate	10M, 100M, 1G, 2.5G, 5G, 10G
Distance	up to 30m @10Gbps
IP	IP00
Storage size	256 KB
Storage type	FLASH
Tested ambient temperature	-20°C to 60°C

MikroTik XS+85LC01D

SKU: XS+85LC01D
Type: simple
Categories: MikroTik Products, SFP, SFP/QSFP, SFP+, SFP28

Price: 13,592 kr

A cost-effective 1.25G SFP, 10G SFP+ and 25G SFP28 module for shorter distances: up to 100 meters in full- duplex 25 Gigabit mode. Its compatibility with different speeds and the affordable price makes it a versatile solution for various setups of any scale - including bestsellers like the RB5009, CCR2116, netPower series or a variety of CRS and CSS switches.

The module has built-in digital diagnostic functions such as optical power, transceiver supply voltage, temperature, laser bias current monitoring, and other key parameter monitoring. These options can be helpful not only to alert the user during abnormal transceiver activity but also if specific customizable operating limits are exceeded. Monitoring allows you to plan ahead, make informed decisions and predict necessary upgrades or maintenance based on the transceiver performance.

Product specifications

Details	
Product code	XS+85LC01D
Connector	Dual LC UPC
Data Rate	1G / 10G / 25G
Distance	100m
Format	SFP / SFP+ / SFP28
Mode	MM
Tested ambient temperature	-40°C to 85°C
Wavelength	850nm

MikroTik S+85DLC03D

SKU: S+85DLC03D
Type: simple
Categories: MikroTik Products, SFP/QSFP, SFP+

Price: 13,592 kr

S+85DLC03D is a 10G SFP+ transceiver with a LC connector, 850nm, for up to 300 meter Multi Mode fiber connections

Units are tested and compatible with CCR1036-8G-2S+ and CCR1036-8G-2S+EM. Units are compatible with non-MikroTik SFP devices as well.

Product specifications

Details	
Product code	S+85DLC03D
Connector	Dual LC UPC
Data Rate	1G / 10G
Distance	300m
Format	SFP+
Mode	MM
Tested ambient temperature	-40 to +70C
Wavelength	850nm

MikroTik S-RJ01

SKU: S-RJ01
Type: simple
Categories: MikroTik Products, SFP

Price: 6,796 kr

S-RJ01 is RJ45 SFP 10/100/1000M copper module, compatible with most Gigabit SFP ports available on various networking devices. Shipped with CCR1016-12S-1S+, by popular demand is now also available for purchase separately.

Product specifications

Details	
Product code	S-RJ01
Connector	RJ45
Data Rate	1.25Gbps
Distance	100m
Tested ambient temperature	0 C +85 C

MikroTik S-31DLC20D

SKU: S-31DLC20D
Type: simple
Categories: MikroTik Products, SFP, SFP/QSFP

Price: 7,036 kr

S-31DLC20D is a 1.25G SFP transceiver with a 1310nm Dual LC connector, for up to 20 kilometer Single Mode fiber connections, with DDM

Units are tested and compatible with RB260GS,RB2011LS, RB2011LS-IN, RB2011UAS-IN, RB2011UAS-RM, RB2011UAS-2HnD, RB2011UAS-2HnD-IN, and CCR1036-12G-4S. Units are compatible with non-MikroTik SFP devices as well.

Product specifications

Details	
Product code	S-31DLC20D
Connector	Dual LC UPC
Data Rate	1.25G
Distance	20km
Format	SFP
Mode	SM
Tested ambient temperature	-40 to +70C
Wavelength	1310nm

MikroTik S-85DLC05D

SKU: S-85DLC05D
Type: simple
Categories: MikroTik Products, SFP, SFP/QSFP

Price: 5,277 kr

S-85DLC05D is a 1.25G SFP transceiver with a 850nm Dual LC connector, for up to 550 meter Multi Mode fiber connection, with DDM

Units are tested and compatible with RB260GS, RB2011iLS-IN and other products with SFP 1G cage.
Units are compatible with non-MikroTik SFP devices as well.

Product specifications

Details	
Product code	S-85DLC05D
Connector	Dual LC UPC
Data Rate	1.25G
Distance	550m
Format	SFP
Mode	MM
Tested ambient temperature	-40 to +85C
Wavelength	850nm

MikroTik LHG 60G

SKU: RBLHGG-60ad
Type: simple
Categories: 60 Ghz Point to Point Link, MikroTik Products, Router Board

Price: 35,680 kr

LHG 60G – a high-speed 60 GHz CPE point-to-multipoint unit, perfect solution for crowded wireless spectrum

No need to share the frequency with your neighbors and lose valuable time – LHG 60G offers a simple and effective 60 GHz solution for wireless connection where the 2 GHz and 5GHz wireless space is crowded and unreliable. Connect up to eight of these units to a 60 GHz access point, such as our wAP60G AP or wAP 60Gx3 AP, and enjoy the smooth connection with data rate up to 2 Gbps.

The effective point-to-point distance between two LHG 60G units is up to 1500 meters, point-to-multipoint – up to 800 meters. The grid design ensures protection against wind, it can withstand temperatures from -40 C■° to +70 C■°. The antenna element is built into the wireless unit – no loss on cables.

LHG 60G is shipped with an Aim tool for easy precision alignment and strong metal LHG mount. Order it today and forget about wireless interference!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBLHGG-60ad
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	448-896 (auto) MHz
RouterOS license	3
Operating System	RouterOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	5 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	1

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP55

Included parts

• 24V 0.38A power adapter
• Gigabit PoE injector
• LHG mount
• Aim tool

MikroTik Wireless Wire nRAY Preprogrammed pair

SKU: nRAYG-60adpair
Type: simple
Categories: 60 Ghz Point to Point Link, MikroTik Products

Price: 71,360 kr

Our team has gathered and taken into account your feedback to make a worthy successor of our popular Wireless Wire Dish. Now we are proud to present the best
plug-and-play 60 GHz point-to-point link solution to date – the Wireless Wire nRAY. It is a kit of two pre-paired devices that make a secure AES encrypted wireless connection.

It can easily cover a distance of 1500 meters and reach fiber-like speed, and we have made some serious structural improvements. With the latest antenna technologies, this device is very compact, but even more durable than its predecessors.

The new form-factor has been designed with snowy areas in mind – you won't have to worry about huge chunks of snow getting stuck and messing with the signal. Due to its size and shape, the nRAY also attracts less unwanted attention. Using the special fine-tune adjustment screws, a perfect alignment can be achieved.

The 60 GHz frequency is unaffected by the crowded wireless spectrum, so you can enjoy a smooth connection even in a busy urban environment. A powerful arm64 dual-core CPU running at 1 GHz ensures wire speed throughput in nearly all packet sizes. The included devices are preconfigured to connect automatically, simply point them at one another and power them on! We have included the power supplies, PoE injectors and a handy precision mount for easier alignment - the solidMOUNT. It is an advanced pole mount metal adapter that allows adjustment both vertically and horizontally.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum

of 5 years starting from date of purchase..

Specifications

Details	
Product code	nRAYG-60adpair
Architecture	ARM 64bit
CPU	88F3720
CPU core count	2
CPU nominal frequency	1 GHz
Dimensions	261 x 166 mm
RouterOS license	3
Operating System	RouterOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-30°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	7 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	1

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	55

Included parts

• 24V 0.38A power adapter
• nRAY solidMOUNT
• Gigabit PoE injector
• nRAY aiming tool

MikroTik Cube 60Pro ac

SKU: CubeG-5ac60ay
Type: simple
Categories: 60 Ghz Point to Point Link, MikroTik Products

Price: 35,340 kr

Long gone are the days when you had to rely on cables for speed and stability. 60 GHz solutions offer fiber-like speed and stability - while saving you plenty of time and money on installation and maintenance. Our latest Cube 60Pro product line is taking the advantages of 60 GHz networking to the next level – with the **802.11ay** standard for even higher distances, stability, speed, and convenience.

The **Cube 60Pro ac** CPE allows you to establish ultra-fast point-to-point connections over distances as far as 1 km. And that's not all – we have added Channel 5* support, so you can reach even higher distances if necessary. In our tests, the **Cube 60Pro ac** easily maintained a reliable connection over 2.4 km. Bridging two locations has never been easier!

You can get a preconfigured kit of two Cube 60Pro ac devices: the **Wireless Wire Cube Pro**. Just point the Cubes at one another and power them on! They will form a blazing fast encrypted wireless connection. Pure plug-and-play!

Forget about downtime with the automatic 5 GHz backup connection

The 60 GHz frequency is unaffected by the crowded wireless spectrum, it offers high speed and capacity. But it can sometimes struggle during bad weather conditions. That's why both Cube 60Pro devices feature an automatic 5 GHz failover. We have added a powerful directional antenna so that the 5 GHz range can keep up with the 60 GHz.

More durability, less unwanted attention

We have upgraded the enclosure to feature a strong metal base – for better mounting and cooling options. The Cube form-factor emerges from pure practicality: it is durable, unobtrusive, and compact.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CubeG-5ac60ay
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	448-896 (auto) MHz
Dimensions	115 x 95 x 82 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	256 MB
Storage size	64 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	10 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	18-48 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	433 Mbit/s
Wireless 5 GHz number of chains	1
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	11.5
Wireless 5 GHz chip model	IPQ4019
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	1

Other

Details	
GNSS standards	GPS

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	66

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	22	-93
54MBit/s	18	-74
MCS0	22	-93
MCS7	17	-71
MCS9	15	-68

Included parts

• 24V 0.8A power adapter
• Hose clamp 1

• Cube mount (bracket)
• Gigabit PoE injector

MikroTik Wireless Wire Dish

SKU: RBLHGG-60adkit
Type: simple
Categories: 60 Ghz Point to Point Link, MikroTik Products, Router Board

Price: 71,360 kr

The Wireless Wire Dish is a ground breaking solution which offers Fiber speed and quality on distances up to 1500 m for a fraction of the price!

This amazing kit makes a secure AES encrypted 60 GHz wireless link that is not affected by the crowded WiFi spectrum, offering a stable and fast link for distances around 1500 meters. Simply point the included devices at one another and power them on, they are already preconfigured to connect automatically and will make a 2 Gb/s aggregate link.

The box includes two LHGG-60ad devices that are already paired together, power supplies, PoE injectors and mounting kits for both devices.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBLHGG-60adkit
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	448-896 (auto) MHz
Dimensions	Ø 391 x 222 mm
RouterOS license	3
Operating System	RouterOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	5 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	1

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP55

Included parts

• Gigabit PoE injector
• 24V 0.38A power adapter
• LHG mount
• Aim tool

MikroTik CubeSA 60Pro ac

SKU: CubeG-5ac60ay-SA
Type: simple
Categories: 60 Ghz Point to Point Link, MikroTik Products

Price: 47,233 kr

Long gone are the days when you had to rely on cables for speed and stability. 60 GHz solutions offer fiber-like speed and stability - while saving you plenty of time and money on installation and maintenance. Our latest Cube 60Pro product line is taking the advantages of 60 GHz networking to the next level – with the **802.11ay** standard for even higher distances, stability, speed, and convenience.

If you need to connect multiple devices – take a look at the **CubeSA 60Pro ac sector antenna**. Reaching distances around 600 meters in point-to-multipoint mode, this device can be very helpful for all kinds of event management: from live shows, festivals, and workshops to construction sites, pop-up vaccination clinics, and so on. No need for complex wired installations in every location – the portable and handy **CubeSA 60Pro ac** has got you covered! Depending on your setup, the distance can be even greater. For example, with devices like **MikroTik nRAY**, you can reach **up to 800 meters**.

Forget about downtime with the automatic 5 GHz backup connection

The 60 GHz frequency is unaffected by the crowded wireless spectrum, it offers high speed and capacity. But it can sometimes struggle during bad weather conditions. That's why both Cube 60Pro devices feature an automatic 5 GHz failover. We have added a powerful directional antenna so that the 5 GHz range can keep up with the 60 GHz.

More durability, less unwanted attention

We have upgraded the enclosure to feature a strong metal base – for better mounting and cooling options. The Cube form-factor emerges from pure practicality: it is durable, unobtrusive, and compact.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CubeG-5ac60ay-SA
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	448-896 (auto) MHz
Dimensions	115 x 211 x 90 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	256 MB
Storage size	64 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	13 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	18-48 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	433 Mbit/s
Wireless 5 GHz number of chains	1
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	11.5
Wireless 5 GHz chip model	IPQ4019
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	1

Other

Details	
GNSS standards	GPS

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	66

Wireless specifications

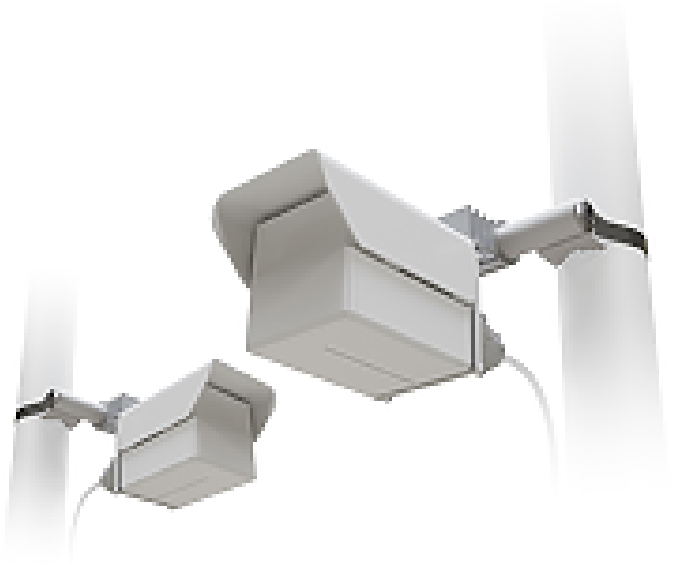
5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	22	-93
54MBit/s	18	-74
MCS0	22	-93
MCS7	17	-71
MCS9	15	-68

Included parts

• Cube mount (bracket)
• 24V 0.8A power adapter

• Hose clamp 1
• Gigabit PoE injector

MikroTik Wireless Wire Cube Pro



SKU: CubeG-5ac60aypair
Type: simple
Categories: 60 Ghz Point to Point Link, MikroTik Products

Price: 80,592 kr

Long gone are the days when you had to rely on cables for speed and stability. 60 GHz solutions offer fiber-like speed and stability - while saving you plenty of time and money on installation and maintenance. Our latest Cube 60Pro product line is taking the advantages of 60 GHz networking to the next level – with the **802.11ay** standard for even higher distances, stability, speed, and convenience.

This is a preconfigured kit of two Cube 60Pro ac devices. The **Cube 60Pro ac** CPE allows you to establish ultra-fast point-to-point connections over distances as far as 1 km. And that's not all – we have added Channel 5* support, so you can reach even higher distances if necessary. In our tests, the **Cube 60Pro ac** easily maintained a reliable connection over 2.4 km. Bridging two locations has never been easier!

Forget about downtime with the automatic 5 GHz backup connection

The 60 GHz frequency is unaffected by the crowded wireless spectrum, it offers high speed and capacity. But it can sometimes struggle during bad weather conditions. That's why both Cube 60Pro devices feature an automatic 5 GHz failover. We have added a powerful directional antenna so that the 5 GHz range can keep up with the 60 GHz.

More durability, less unwanted attention

We have upgraded the enclosure to feature a strong metal base – for better mounting and cooling options. The Cube form-factor emerges from pure practicality: it is durable, unobtrusive, and compact.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CubeG-5ac60aypair
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	448-896 (auto) MHz
RouterOS license	4
Operating System	RouterOS
Size of RAM	256 MB
Storage size	64 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Frequency (Hz)	50-60
Max power consumption	10 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	18-48 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	433 Mbit/s
Wireless 5 GHz number of chains	1
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	11.5
Wireless 5 GHz chip model	IPQ-4019
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	1

Other

Details	
GNSS standards	GPS

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	22	-93
54MBit/s	18	-74
MCS0	22	-93
MCS7	17	-71
MCS9	15	-68

Included parts

- Cube mount (bracket)
- 24V 0.8A power adapter
- Hose clamp 1
- Gigabit PoE injector

MikroTik Wireless Wire

SKU: RBwAPG-60adkit
Type: simple
Categories: 60 Ghz Point to Point Link, MikroTik Products, Router Board

Price: 55,050 kr

Simply point the included devices at one another and power them on, it will make a 1 Gbit full duplex link to instantly replace your cable - this is why we call it the Wireless Wire!

The Wireless Wire makes secure AES encrypted 60 GHz
wireless link that is not affected by the crowded WiFi spectrum, offering a stable and fast link for distances of 200 meters or more. The box includes two
wAP60G devices that are already paired together,
a wall mounting kit, straps for pole mounting and
also a pair of table stands for using the devices
indoors. The link will even work through most
windows, depending on their material.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBwAPG-60adkit
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	448-896 (auto) MHz
Dimensions	185 x 85 x 30 mm
RouterOS license	3
Operating System	RouterOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	5 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	1

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP55

Included parts

• 24V 0.38A power adapter
• Gigabit PoE injector
• Plastic zip tie
• wAP desktop stand
• wAP ceiling mount bracket
• Metal ring (one)
• K-52 fastening set

MikroTik wAP 60G AP

SKU: RBwAPG-60ad-A
Type: simple
Categories: 60 Ghz Point to Point Link, MikroTik Products, Router Board

Price: 33,641 kr

The wAP 60G AP is weatherproof integrated 60 GHz wireless unit, that can be used indoors or outdoors in different scenarios - Base Station, Point-to-Point or CPE.

The box includes a wall mounting kit, straps for pole mounting, power supply, PoE injector and also table stand for using the device indoors. Penetrates some windows depending on material.

wAP 60G AP supports up to eight simultaneous clients on distances of 200m+.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum

of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBwAPG-60ad-A
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	448-896 (auto) MHz
Dimensions	185 x 85 x 30 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	11-57 V
Max power consumption	5 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	11-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	1

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	55

Included parts

• Metal ring (one)
• Plastic zip tie
• wAP desktop stand
• 24V 0.38A power adapter
• wAP ceiling mount bracket
• Gigabit PoE injector
• K-52 fastening set

MikroTik wAP 60G

SKU: RBwAPG-60ad
Type: simple
Categories: 60 Ghz Point to Point Link, MikroTik Products, Router Board

Price: 27,525 kr

The wAP 60G is weatherproof integrated 60 GHz wireless unit, that can be used indoors or outdoors as Point-to-Point or CPE unit

The box includes a wall mounting kit, straps for pole mounting, power supply, PoE injector and also table stand for using the device indoors. Penetrates some windows depending on material.

wAP 60G connects to 60 GHz AP for distances of 200m+

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBwAPG-60ad
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	448-896 (auto) MHz
Dimensions	185 x 85 x 30 mm
RouterOS license	3
Operating System	RouterOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	2 (PoE-IN, DC jack)
DC jack input Voltage	12-57 V
Max power consumption	5 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	1

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	55

Included parts

• K-52 fastening set
• Metal ring (one)
• Plastic zip tie
• wAP desktop stand
• 24V 0.38A power adapter
• wAP ceiling mount bracket
• Gigabit PoE injector

MikroTik wAP LR8G kit

SKU: RbwAPR-2nD&R11e-LR8G;
Type: simple
Categories: 802.11b, 802.11g, 802.11n, IOT, MikroTik Products, Router Board, WAP

Price: 35,620 kr

A compact, weatherproof outdoor gateway for **LoRa® technology**. The updated **868MHz LoRa® module** delivers enhanced Rx sensitivity, extending your range and improving reliability—even in rough conditions. This versatile device also includes:

• Built-in GPS
• A 2.4 GHz WiFi interface and Ethernet port for seamless integration
• Durable design, tested to perform in various weather conditions

The Things Network

Our products for **LoRa®** are ready to work with “**The Things Network**” - the famous open source infrastructure that provides free LoRa® network coverage and has tons of apps for your needs. With the help of “The Things Network” you can get started with the Internet-of-things within a day. And it is easily upgradable to enterprise-grade network “**The Things Industries**”.

The setup is so easy - anyone can learn it. No need to reinvent the wheel, join “The Things Network” to save time and energy with smart solutions!

Specifications

Details	
Product code	RBwAPR-2nD&R11e-LR8G;
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	600 MHz
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	64 MB
Storage size	16 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 60°C

Powering

Details	
Number of DC inputs	3 (DC jack, PoE-IN, Automotive)
DC jack input Voltage	9-28 V
Automotive input Voltage	12-30 V
Max power consumption	7 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	9-28 V

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2
Wireless 2.4 GHz chip model	QCA9531
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	1

Peripherals

Details	
Number of SIM slots	1 Modem (Mini SIM)
MiniPCI-e slots	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
GPS RF connector type	uUFL

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	54

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

MikroTik CME Gateway

SKU: CME22-2n-BG77
Type: simple
Categories: 802.11b, 802.11g, 802.11n, IOT, MikroTik Products, WAP

Price: 21,407 kr

Are you tired of wired sensor limitations? Wouldn't it be nice if legacy devices - like electricity meters - could send their data over the mobile network, like our phones do? With CME Gateway you can achieve just that – and more!

It has two Ethernet ports, an on-board CPU, some RAM, and the crown jewel: a powerful **built-in CAT-M narrow-band LTE modem**. For extremely efficient, low-cost, low-bandwidth mobile internet connectivity. Sure, the narrowband won't be able to stream YouTube videos, but it serves a different purpose: it offers better network coverage and transmits data via the most affordable data plans in the world.

With the **IP66 water resistance rating**, the sturdy unit can survive a variety of harsh environments and setups: damp attics, rainy forests, farming equipment and so on. It has **PoE-in, PoE-out, and a 2-pin DC terminal** for handy powering. And to make management even easier - we've added a simple single-chain 2.4 GHz wireless - so you can use the MikroTik smartphone app to configure everything.

Also, a fun bonus: the board supports GPS, so if you know your way around RouterOS scripting, you can try collecting weekly, daily or even hourly location data as well!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CME22-2n-BG77
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9531
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (2-pin terminal, PoE-IN)
2-pin terminal input Voltage	12-57 V
Max power consumption	31 W
Max power consumption without attachments	6 W
PoE in	802.3af/at
PoE in input Voltage	18-57 V

PoE-out

Details	
PoE-out ports	Ether2
PoE out	Passive PoE up to 57V
Max out per port output (input 18-30 V)	600 mA
Max out per port output (input 30-57 V)	450 mA
Max total out (A)	0.6 A

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	150 Mbit/s
Wireless 2.4 GHz number of chains	1
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2
Wireless 2.4 GHz chip model	QCA9531
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	2

Peripherals

Details	
Number of SIM slots	1 Modem (Nano SIM)

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	66

Included parts

• 48 V 0.95 A power adapter
• Gigabit PoE injector
• Metal rings (two)

MikroTik KNOT LR8 kit

SKU: RB924iR-2nD-BT5&BG77;&R11e-LR8;
Type: simple
Categories: 802.11b, 802.11g, 802.11n, IOT, MikroTik Products, Router Board, WAP

Price: 47,233 kr

We all know the struggle of managing so many devices with different interfaces and communication protocols.. You keep adding new solutions to your setup to keep up, but the older devices are still too good to let them go. How do you integrate all of them in a single system that will serve you right? Easy – you “tie” them together by using the KNOT!

It doesn’t matter whether you have devices that are no longer in production, devices that came out this year, or even some custom solutions by your technician – the KNOT can handle them all!

KNOT LR8 kit is an out-of-the-box IoT Gateway solution for LoRa® technology. It uses Narrow Band and CAT-M technology. Because of the low cost, low bandwidth cellular connection, it is supported by countless mobile operators around the globe. This kit contains a pre-installed UDP packet forwarder to any public or private LoRa® servers. With the support of 8 different channels, Listen Before Talk (LBT) and spectral scan features this product will astound you with its enticing price point.

It could be used as a backup connection for the Ethernet or as a management channel for your network. NB/CAT-M monthly plan is much cheaper than LTE. Why spend extra money on bandwidth you don’t need? For example, you can manage a KNOT-powered vending machine with temperature and moisture sensors with only a few megabytes per day!

KNOT features so many protocol support and connectivity options: 2.4 GHz wireless, Bluetooth, GPS, LoRa®, 2x 100 Mbps Ethernet ports with PoE-in and PoE-out, Micro-USB. Maximum convenience at the lowest cost!

With the Bluetooth interface, you can use the KNOT for asset tracking and telemetry based on Bluetooth advertisement packets. KNOT supports any BLE tag that sends advertisement data. iBeacon, Eddystone

or any other format. It has powerful filters for forwarding only relevant packets and ignoring others.

This kit can even help you in the most unusual situations. Remember the part about onboard GPIOs? Those pins can be used to read all kinds of analog sensors, interact with a single-board computer or other custom electronics – hobbyist kits, D.I.Y. robotics... It's like getting the whole Swiss Army instead of a Swiss Army knife!

KNOT is a great tool for most outdoor cabinet IoT applications as well. It comes with a DIN rail mount that allows easy integration with all kinds of setups: from agriculture and asset tracking to cold chain monitoring, industrial manufacturing, and so on.

Bring flexible low-cost connectivity to the most remote or tricky areas with the MikroTik KNOT!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB924iR-2nD-BT5&BG77;&R11e-LR8;
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9531
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
MicroUSB input Voltage	5 V
Number of DC inputs	3 (MicroUSB, DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	23 W
Max power consumption without attachments	5 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	18-57 V

PoE-out

Details	
PoE-out ports	Ether2
PoE out	802.3af/at
Max out per port output (input 18-30 V)	650 mA
Max out per port output (input 30-57 V)	450 mA

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	1.5
Wireless 2.4 GHz chip model	QCA9531
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	2

Peripherals

Details	
Number of SIM slots	1 Modem (Nano SIM)
MiniPCI-e slots	1
Serial console port	RS485
Number of USB ports	1
USB slot type	microUSB type AB
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Bluetooth version	5.2
Bluetooth RF connector type	uUFL

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

Included parts

• 24V 1.2A power adapter
• K-47 wall mount set
• DIN rail mount set
• USB OTG cable

MikroTik KNOT LR9 kit

SKU: RB924iR-2nD-BT5&BG77;&R11e-LR9;
Type: simple
Categories: 802.11b, 802.11g, 802.11n, IOT, MikroTik Products, Router Board, WAP

Price: 47,233 kr

We all know the struggle of managing so many devices with different interfaces and communication protocols.. You keep adding new solutions to your setup to keep up, but the older devices are still too good to let them go. How do you integrate all of them in a single system that will serve you right? Easy – you “tie” them together by using the KNOT!

It doesn’t matter whether you have devices that are no longer in production, devices that came out this year, or even some custom solutions by your technician – the KNOT can handle them all!

KNOT LR9 kit is an out-of-the-box IoT Gateway solution for LoRa® technology. It uses Narrow Band and CAT-M technology. Because of the low cost, low bandwidth cellular connection, it is supported by countless mobile operators around the globe. This kit contains a pre-installed UDP packet forwarder to any public or private LoRa® servers. With the support of 8 different channels, Listen Before Talk (LBT) and spectral scan features this product will astound you with its enticing price point.

It could be used as a backup connection for the Ethernet or as a management channel for your network. NB/CAT-M monthly plan is much cheaper than LTE. Why spend extra money on bandwidth you don’t need? For example, you can manage a KNOT-powered vending machine with temperature and moisture sensors with only a few megabytes per day!

KNOT features so many protocol support and connectivity options: 2.4 GHz wireless, Bluetooth, GPS, LoRa®, 2x 100 Mbps Ethernet ports with PoE-in and PoE-out, Micro-USB. Maximum convenience at the lowest cost!

With the Bluetooth interface, you can use the KNOT for asset tracking and telemetry based on Bluetooth advertisement packets. KNOT supports any BLE tag that sends advertisement data. iBeacon, Eddystone or any other format. It has powerful filters for forwarding only relevant packets and ignoring others.

This kit can even help you in the most unusual situations. Remember the part about onboard GPIOs? Those pins can be used to read all kinds of analog sensors, interact with a single-board computer or other custom electronics – hobbyist kits, D.I.Y. robotics... It's like getting the whole Swiss Army instead of a Swiss Army knife!

KNOT is a great tool for most outdoor cabinet IoT applications as well. It comes with a DIN rail mount that allows easy integration with all kinds of setups: from agriculture and asset tracking to cold chain monitoring, industrial manufacturing, and so on.

Bring flexible low-cost connectivity to the most remote or tricky areas with the MikroTik KNOT!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB924iR-2nD-BT5&BG77;&R11e-LR9;
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9531
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
MicroUSB input Voltage	5 V
Number of DC inputs	3 (MicroUSB, DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	23 W
Max power consumption without attachments	5 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	18-57 V

PoE-out

Details	
PoE-out ports	Ether2
PoE out	Passive PoE up to 57V
Total output power	12

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	1.5
Wireless 2.4 GHz chip model	QCA9531
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	2

Peripherals

Details	
Number of SIM slots	1 Modem (Nano SIM)
MiniPCI-e slots	1
Serial console port	RS485
Number of USB ports	1
USB slot type	microUSB type AB
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Bluetooth version	5.2
Bluetooth RF connector type	uUFL

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

Included parts

• 24V 1.2A power adapter
• K-47 wall mount set
• DIN rail mount set
• USB OTG cable

MikroTik LtAP LR8G LTE6 kit

SKU: LtAP-2HnD&FG621-EA;&LR8G;
Type: simple
Categories: 802.11b, 802.11g, 802.11n, IOT, MikroTik Products, WAP

Price: 60,826 kr

A rugged all-in-one device for **IoT connectivity**, ideal for industrial or public use. Perfect for transportation projects or logistics, the **LtAP LR8G LTE6 Kit** combines:

• LoRa® connectivity, LTE, and GPS for maximum versatility
• Dual-chain 2.4 GHz WiFi for added flexibility
• A tough, robust enclosure built for industrial and mobile setups
• Mini SIM slot and a built-in modern LTE6 modem for fast and responsive mobile connectivity
• Enhanced 868MHz Rx sensitivity for effective long-range communication
• Many powering options, including automotive
• SMA female connector for external antennas

The Things Network

Our products for **LoRa®** are ready to work with “**The Things Network**” - the famous open source infrastructure that provides free LoRa® network coverage and has tons of apps for your needs. With the help of “The Things Network” you can get started with the Internet-of-things within a day. And it is easily upgradable to enterprise-grade network “**The Things Industries**”.

The setup is so easy - anyone can learn it. No need to reinvent the wheel – join “The Things Network” to save time and energy with smart solutions!

Specifications

Details	
Product code	LtAP-2HnD&FG621-EA;&LR8G;
Architecture	MMIPS
CPU	MT7621AT
CPU core count	2
CPU nominal frequency	880 MHz
CPU Threads count	4
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	3 (Automotive, DC jack, PoE-IN)
DC jack input Voltage	12-30 V
Automotive input Voltage	12-27 V
Max power consumption	24 W
Max power consumption without attachments	12 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	12-30 V

Mobile

Details	
3G Category	R8 (42.2Mbps Downlink, 11.2Mbps Uplink)
3G bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)
LTE Category	6 (300Mbit/s Downlink, 50Mbit/s Uplink)
MIMO DL	2x2
MIMO UL	1x1
LTE FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 28 (700MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)
TAC	86335904

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2.5
Wireless 2.4 GHz chip model	AR9342
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100/1000 Ethernet ports	1

Peripherals

Details	
Number of SIM slots	3 Modem (Mini SIM)
Serial console port	RS232

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	54

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	25	-100
11MBit/s	25	-94
6MBit/s	26	-96
54MBit/s	23	-78
MCS0	26	-96
MCS7	22	-73

MikroTik wAP LR9 kit

SKU: RBwAPR-2nD&R11e-LR9;
Type: simple
Categories: 802.11b, 802.11g, 802.11n, IOT, MikroTik Products, Router Board, WAP

Price: 40,097 kr

wAP LR9 kit – an out-of-the-box solution to use LoRa® technology. This kit contains a pre-installed UDP packet forwarder to any public or private LoRa® servers and an outdoor weatherproof wireless access point with 2.4 GHz WLAN interface and Ethernet port that could be used as a backend.

This particular wAP form-factor has been tested in many other MikroTik products – it can deliver excellent and stable performance in almost any weather conditions.

You can use the optional internal 2 dBi antenna or attach an external antenna. For extra network coverage we suggest adding MikroTik Antenna kit for LoRa®.

Operates in 902-928 MHz frequency (used in United States, Canada, Mexico, Australia, Brazil, many countries in Asia etc.)

Functional and non-intrusive design, astonishing durability and great value – that is the wAP LR9 kit, the long-awaited solution for LoRa® technology for enthusiasts of any level.

**) the device has no built in LTE modem, the SIM slot can only be used, if LoRa interface card is removed and replaced by an LTE modem*

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBwAPR-2nD&R11e-LR9;
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 60°C

Powering

Details	
Number of DC inputs	3 (PoE-IN, Automotive, DC jack)
DC jack input Voltage	9-30 V
Automotive input Voltage	9-30 V
Max power consumption	7 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	9-30 V

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2
Wireless 2.4 GHz chip model	QCA9531
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	1

Peripherals

Details	
Number of SIM slots	1 Modem (Mini SIM)
MiniPCI-e slots	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	FCC, IC, EAC
IP	IP54

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

Included parts

• 24V 0.8A power adapter
• PoE injector
• 0.35m 4pin Automotive adapter cable
• wAP desktop stand
• wAP ceiling mount bracket

• Metal ring (one)
• K-52 fastening set

MikroTik KNOT

SKU: RB924i-2nD-BT5&BG77;
Type: simple
Categories: 802.11b, 802.11g, 802.11n, IOT, MikroTik Products, Router Board, WAP

Price: 23,787 kr

The newest addition to the MikroTik IoT product family – KNOT – is a truly universal device with exceptional connectivity options and protocol support. It is an IoT Gateway that uses Narrow Band and CAT-M technology. Because of the low cost, low bandwidth cellular connection, it is supported by countless mobile operators around the globe.

KNOT can monitor onboard GPIOs, convert Modbus protocol to TCP, and even forward Bluetooth packets to TCP/IP network via HTTPS and MQTT.

You can use the KNOT as a TCP bridge from wired Modbus sensors to send readings to a Modbus server. Yes, the KNOT brings wireless connectivity to wired sensors, such as electricity meters and relays.

It could be used as a backup connection for the Ethernet or as a management channel for your network. NB/CAT-M monthly plan is much cheaper than LTE. Why spend extra money on bandwidth you don’t need? For example, you can manage a KNOT-powered vending machine with temperature and liquid sensors with only a few megabytes per day!

KNOT features so many protocol support and connectivity options:

2.4 GHz wireless, Bluetooth, GPS, 2x 100 Mbps Ethernet ports with PoE-in and PoE-out, Micro-USB. Maximum convenience at the lowest cost!

Both GPS and CAT-M interfaces feature an SMA female connector, allowing you to attach a wide range of external antennas!

With the Bluetooth interface, you can use the KNOT for asset tracking and telemetry based on Bluetooth advertisement packets. KNOT supports any BLE tag that sends advertisement data. iBeacon, Eddystone or any other format.

It has powerful filters for forwarding only relevant packets and ignoring others.

KNOT is a great tool for most outdoor cabinet IoT applications as well. It comes with a DIN rail mount that allows easy integration with all kinds of setups: from agriculture and asset tracking to cold chain monitoring, industrial manufacturing, and so on.

Bring flexible low-cost connectivity to the most remote or tricky areas with the MikroTik KNOT!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB924i-2nD-BT5&BG77;
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9531
Dimensions	122 x 87 x 26 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
MicroUSB input Voltage	5 V
Number of DC inputs	3 (MicroUSB, DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	18 W
Max power consumption without attachments	5 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	18-57 V

PoE-out

Details	
PoE-out ports	Ether2
PoE out	Passive PoE up to 57V
Total output power	12

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	1.5
Wireless 2.4 GHz chip model	QCA9531
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	2

Peripherals

Details	
Number of SIM slots	1 Modem (Nano SIM)
Serial console port	RS485
Number of USB ports	1
USB slot type	microUSB type AB
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Bluetooth version	5.2
Bluetooth RF connector type	uUFL

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP20

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

Included parts

• 24V 1.2A power adapter
• K-47 wall mount set
• USB OTG cable
• DIN rail mount set

MikroTik Chateau LTE6 ax

SKU: S53UG+5HaxD2HaxD-TC&FG621-EA;
Type: simple
Categories: 802.11a, 802.11ac, 802.11ax, 802.11b, 802.11g, 802.11n, Chateau Wireless, LTE, MikroTik Products, WAP

Price: 47,233 kr

Are you tired of those suspicious, low-quality default routers from your service providers? So many households are switching to mobile internet, but those default routers can really ruin the experience. Not only do they lack features, speed, and power, the designs can get weird with all the black boxes and spiky antennas. That's why we decided to take everything we've learned over the last 20 years of networking excellence and create a single device that will make most households happy: the MikroTik Chateau. It features a purposeful balance of extensive features, accessible pricing, and classy design that will fit right in

Chateau is a high-speed, dual-band home access point that adapts to your needs. It features a **powerful quad- core ARM CPU**, a **fast, reliable, and responsive CAT6 LTE modem** for excellent mobile connectivity, and **the most advanced networking software on the market – RouterOS**. But don't worry – it can be as simple or as complex as you want. Chateau is designed to serve the most diverse user groups: IT professionals can push it to its limits, regular households can plug it in and forget it exists. With Chateau, you will always have options.

Compared to the regular Chateau LTE6, this version features a **supercharged quad-core ARM CPU running at 1.8 GHz**. It can handle even the most complex tasks without breaking a sweat. You can run complex firewall rules, provide encrypted **VPN tunnels for an entire office**, run the most demanding **container apps** right on your router, and more! The addition of **2.5 Gigabit Ethernet** gives you even more options. You can use the ultra- fast port to connect extra devices – like a home media server – or use it as

your primary ISP connection while keeping the LTE modem for backup.

Do you dream of escaping the hustle and bustle of the city and moving to the countryside? Perhaps you've already made the move but are frustrated by the slow internet speeds. Fear not, because Chateau is here to solve all your connectivity problems.

Many rural households are limited by cheap, featureless LTE routers that simply can't handle the demands of modern internet usage. That's where Chateau comes in. When the leading mobile operator in Latvia – LMT – replaced their previous client routers with Chateau devices, customer satisfaction went through the roof! Same LTE towers, same data plans, and a brand new Chateau – just like that! **What is the point of having brand new phones, excellent LTE coverage, high-end laptops, and so on... if your old router is the bottleneck?**

That's right - wireless signal is now stronger than ever. Due to the Gen 6 802.11ax standard, we've seen up to **40% higher speed in the 5 GHz spectrum and up to 90% higher speed in the 2.4 GHz spectrum.**

Reach **consistent speeds of up to 300 Mbps with carrier aggregation**, as CAT6 allows devices to use multiple bands simultaneously. That is a huge advantage in areas with many LTE users. Chateau LTE6 provides better responsiveness in a crowded environment and higher efficiency for weaker signal situations in the countryside. Depending on the service provider, we have seen Internet speed doubling in rural areas after switching to carrier aggregation, so there is no need to wait for cable network expansions.

Chateau comes with all the advanced RouterOS features, so you're getting enterprise-level solutions with consumer-grade pricing. Run a secure VPN from the office directly to your home, enable all kinds of parental control, dive deep into specific firewall rules and IPsec hardware acceleration, configure VLANs, set up e-mail or SMS notifications... You can even automate complex trigger notifications. For example: "WARNING, WARNING! Your bandwidth has reached X amount for Y duration!" **If you can imagine it – RouterOS can achieve it.** However, if you don't need all the complex stuff – Chateau can still be your best friend. In fact, this is the best choice for mobile operators that don't want their clients to do any configuration. Chateau supports the TR-069 technology that allows creating custom remote client management options. You can have the most straightforward and basic router settings on the same web-page that you are using to pay the mobile bill. And we offer different label or printed branding options on volume orders. **Furthermore, we can offer special project pricing and additional discounts for mobile operators to bring the costs down even more!**

You don't have to wait for cable network expansion to have fast and steady Internet at home. Mobile networks are great. If you're using a Chateau.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	S53UG+5HaxD2HaxD-TC&FG621-EA;
Architecture	ARM 64bit
CPU	IPQ-6010
CPU core count	4
CPU nominal frequency	auto (864 -1800) MHz
Switch chip model	IPQ-6010
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	1 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	1 (DC jack)
DC jack input Voltage	12-28 V
Max power consumption	17 W
Max power consumption without attachments	13 W
Cooling type	Passive

Mobile

Details	
3G Category	R8 (42.2Mbps Downlink, 11.2Mbps Uplink)
3G bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)
LTE Category	6 (300Mbit/s Downlink, 50Mbit/s Uplink)
MIMO DL	2x2
MIMO UL	1x1
LTE FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 28 (700MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)
TAC	86335904

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	574 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n/ax
Antenna gain dBi for 2.4 GHz	2
Wireless 2.4 GHz chip model	QCN-5022
Wireless 2.4 GHz generation	Wi-Fi 6
Wireless 5 GHz Max data rate	1200 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac/ax
Antenna gain dBi for 5 GHz	4
Wireless 5 GHz chip model	QCN-5052
Wireless 5 GHz generation	Wi-Fi 6

Ethernet

Details	
10/100/1000 Ethernet ports	4
Number of 2.5G Ethernet ports	1

Peripherals

Details	
Number of SIM slots	1 Modem (Micro SIM)
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s		-100
11MBit/s		-94
6MBit/s	24	-96
54MBit/s	21	-80
MCS0	24	-96
MCS7	20	-75
MCS9	19	-70
MCS11	17	-67

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	24	-96
54MBit/s	21	-80
MCS0	24	-96
MCS7	20	-75

MCS9	19	-70
MCS11	17	-67

Included parts

• 24V 1.2A power adapter
• UTP Flat Cable (1.5m)

MikroTik SXT LTE6 kit-US

SKU: SXTR&EP06-A;
Type: simple
Categories: LTE, MikroTik Products

Price: 40,097 kr

This device is an absolute staple of affordable connectivity in remote areas. Even if your phone has no reception at all, our SXT LTE6 kit can still deliver due to its advanced LTE chip design and high-gain antenna.

There are two Ethernet ports. **Ethernet port #1 has PoE-in. And Ethernet #2 has PoE-out.** You can use it to power another device. Fewer cables to worry about in your sweet cabin in the woods!

We've included **two Micro-SIM slots – for backup.** It never hurts to have extra options when it comes to mobile network coverage. Also, the Category 6 LTE modem enables **carrier aggregation**, allowing SXT to use multiple LTE bands simultaneously. That's a huge advantage when there are a lot of mobile users in the area. It offers better responsiveness in a crowded environment. And higher efficiency for weaker signal

situations in the countryside. Win-win! We have seen Internet speed doubling in rural areas after switching to CAT6, so there is no need to wait for cable network expansions.

When it comes to powering, SXT LTE6 kit supports a wide voltage range of 18-57V with full 802.3af/at compliance.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	SXTR&EP06-A;
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9531
RouterOS license	3
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 60°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	21 W
Max power consumption without attachments	5 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

PoE-out

Details	
PoE-out ports	Ether2
PoE out	Passive PoE up to 57V
Max out per port output (input 18-30 V)	600 mA
Max out per port output (input 30-57 V)	400 mA
Max total out (A)	600 mA
Total output current	600mA

Mobile

Details	
3G Category	R8 (42.2Mbps Downlink, 5.76Mbps Uplink)
3G bands	2 (1900MHz) / 5 (850MHz) / 4 (1700MHz)
LTE Category	6 (300Mbit/s Downlink, 50Mbit/s Uplink)
MIMO DL	2x2
LTE FDD bands	2 (1900MHz) / 4 (1700MHz) / 5 (850MHz) / 7 (2600MHz) / 12 (700MHz) / 13 (700 MHz) / 25 (1900MHz) / 26 (850MHz) / 30 (2300 MHz) / 66 (1700MHz) / 29 (700 MHz)
TAC	01611100

Ethernet

Details	
10/100 Ethernet ports	2

Peripherals

Details	
Number of SIM slots	2 Modem (Micro SIM)
MiniPCI-e slots	1

Other

Details	
Mode button	Yes

Included parts

• 24V 1.2A power adapter (US)
• Metal ring (one)
• Pole mounting bracket
• PoE injector

MikroTik Chateau LTE6-US

SKU: D53G-5HacD2HnD-TC&EG06-A
Type: simple
Categories: 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, Chateau Wireless, LTE, MikroTik Products, WAP

Price: 44,856 kr

Your best friend when it comes to mobile networks. Amazing in the hands of seasoned system administrators. Or in a household with zero IT skills. Or anything in-between. Chateau can do it all.

Let’s face it – most of the standard mass-produced access points can’t really satisfy the extremely diverse client base – they either lack features, users want more speed and higher gain, they look weird with all the spikes and antennas all over the place.. We decided to take all the aspects that truly matter to most home users and create a single device that will make them happy: the MikroTik Chateau.

It is a high-speed, dual-band home access point with a powerful quad-core ARM CPU and our newest CAT6 LTE modem – for really fast Internet anywhere, anytime. But LTE is not the only option – Chateau also features 5 x Gigabit Ethernet ports and a full-sized USB port for extra storage.

Remove the bottleneck in your mobile setup

With new rural relocation programmes popping up everywhere, more people have started moving to the countryside – away from the stress and challenges of busy urban areas. Should they be limited by the slower connectivity without the city cable networks, potentially risking all kinds of opportunities in education, entrepreneurship, and even hobbies? Absolutely not!

For most rural households, the limiting factor is a cheap, mass-produced LTE router that can't handle even a fraction of what the local LTE tower could offer. Chateau is designed to solve these problems. Here's an example: the leading mobile operator in Latvia – LMT – started swapping out their previous client routers. Our Chateau replaced the usual brands. And customer satisfaction went through the roof – just like that! Same LTE towers, same data plans, and a brand new Chateau. **What is the point of having brand new phones, excellent LTE coverage, high-end laptops, and so on... if your old router is the bottleneck?**

The freedom of LTE

Reach consistent speeds of up to 300 Mbps with carrier aggregation, as CAT6 allows devices to use multiple bands simultaneously. That is a huge advantage
in areas with many LTE users. Chateau LTE6 provides better responsiveness in
a crowded environment and higher efficiency for weaker signal situations in the countryside. Depending on the service provider, we have seen Internet speed doubling in rural areas after switching to carrier aggregation, so there is no need to wait for cable network expansions.

Perfect for all walks of life

Chateau comes with all the advanced RouterOS features, so you're getting enterprise-level solutions with consumer-grade pricing. Run a secure VPN from
the office directly to your home, enable all kinds of parental control, dive deep into specific firewall rules and IPsec hardware acceleration, configure VLANs, set up e-mail or SMS notifications... You can even automate complex trigger notifications. For example: "WARNING, WARNING! Your bandwidth has reached X amount for Y duration!" **If you can imagine it – RouterOS can achieve it.**
However, if you don't need all the complex stuff – Chateau can still be your best friend. In fact, this is the best choice for mobile operators that don't want their clients to do any configuration. Chateau supports the TR-069 technology that allows creating custom remote client management options. You can have the most straightforward and basic router settings on the same web-page that you are using to pay the mobile bill. And we offer different label or printed branding options on volume orders.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	D53G-5HacD2HnD-TC&EG06-A;
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	488-896 (auto) MHz
Switch chip model	IPQ-4019
Dimensions	240 x 156 x 44 mm
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (DC jack)
DC jack input Voltage	12-28 V
Max power consumption	19 W
Max power consumption without attachments	14.3 W
Cooling type	Passive

Mobile

Details	
3G Category	R8 (42.2Mbps Downlink, 5.76Mbps Uplink)
3G bands	2 (1900MHz) / 5 (850MHz) / 4 (1700MHz)
LTE Category	6 (300Mbit/s Downlink, 50Mbit/s Uplink)
LTE FDD bands	2 (1900MHz) / 4 (1700MHz) / 5 (850MHz) / 7 (2600MHz) / 12 (700MHz) / 13 (700 MHz) / 25 (1900MHz) / 26 (850MHz) / 30 (2300 MHz) / 66 (1700MHz) / 29 (700 MHz)
TAC	01619900

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	3
Wireless 2.4 GHz chip model	IPQ-4019
Wireless 2.4 GHz generation	Wi-Fi 4
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	5.5
Wireless 5 GHz chip model	IPQ-4019
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	5

Peripherals

Details	
Number of SIM slots	1 Modem (Micro SIM)
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, FCC, EAC, ROHS

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	25	-100
11MBit/s	25	-94
6MBit/s	26	-96
54MBit/s	23	-78
MCS0	26	-96
MCS7	22	-73

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	26	-96
54MBit/s	22	-80
MCS0	26	-96
MCS7	21	-75
MCS9	19	-70

Included parts

• UTP Flat Cable (1.5m)
• 24V 1.2A power adapter (US)

MikroTik ATL LTE18 kit

SKU: ATLGM&EG18-EA;
Type: simple
Categories: LTE, MikroTik Products

Price: 66,263 kr

The world keeps changing, but one thing remains certain: you've got to stay connected. Immediate access to information is vital. That's why we've developed the ATL: an advanced technology level directional LTE solution for those who want to squeeze the most out of LTE base stations. ATL features a **phenomenal Category 18 LTE modem** and a **Gigabit Ethernet port with PoE-in**. Combined with the **modern ARM CPU**, this means **speeds up to 1 Gbps**, no bottlenecks!

One of the key features is the **4x4 MIMO** or multiple-input, multiple-output support. More antennas to work with – higher speed and better signal! You can expect fantastic performance in the cities with modern base stations. But ATL can also do wonders in rural areas as it supports **a wider frequency band range** for lower band antennas.

There are **4 high-gain middle band** (1.7 – 2.7 GHz) and **2 high-gain low band** antennas (700 MHz – 1 GHz, LTE Band 28). Why is that important? Two reasons. First of all, the 700 and 800 MHz LTE band is one of the most popular frequency options in the world. It is used by countless mobile operators everywhere, so ATL will always be able to find some signal. And the second reason is the nature of the lower frequency itself: this type of radio wave can travel very far. It all depends on many factors, including how flat the terrain is, but rest assured – with ATL you are in good hands.

At first glance, the **ATL LTE18 kit** looks like a spaceship, but there's a good reason for that. This design **prevents snow and water** from collecting and freezing up. So not only is it compact and easy to ship, it can also **handle some of the roughest weather conditions.** ATL is an excellent tool for fast and stable connections in cold, snowy cities without having to clean the antenna all the time. And the LTE Category 18 modem is pretty future-proof, so you won't have to worry about upgrades for quite some time.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	ATLGM&EG18-EA;
Architecture	ARM 64bit
CPU	88F3720
CPU core count	2
CPU nominal frequency	800 MHz
RouterOS license	3
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	8 W
Max power consumption without attachments	8 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

Mobile

Details	
3G Category	R8 (42.2Mbps Downlink, 11.2Mbps Uplink)
3G bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)
LTE Category	18 (1.2Gbps Downlink, 150Mbps Uplink)
MIMO DL	4x4
MIMO UL	1x1
LTE FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900 MHz) / 20 (800MHz) / 28 (700MHz) / 7 (2600MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)
TAC	86981604

Ethernet

Details	
10/100/1000 Ethernet ports	1

Peripherals

Details	
Number of SIM slots	1 Modem (Micro SIM)
Number of M.2 slots	1

Other

Details	
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	54

Included parts

• 24V 0.8A power adapter
• Gigabit PoE injector

• Hose clamp 2

MikroTik Chateau LTE12

SKU: D53G-5HacD2HnD-TC&EG120K-EA;
Type: simple
Categories: 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, Chateau Wireless, LTE, MikroTik Products, Router Board, WAP

Price: 43,835 kr

Let’s face it – most of the standard issue access points can’t really satisfy the extremely diverse client base – they either lack features, users want more speed and higher gain, the price is too high or they look weird. We decided to take all the aspects that are important for most home users and create a single device that will make them happy – this is the MikroTik Chateau.

It is a high-speed, dual-band home access point with CAT12 LTE – for really fast Internet anywhere, anytime. But LTE is not the only option – Chateau also features 5 x Gigabit Ethernet ports and a full size USB port.

Strong dual-chain dual-band 2.4/5 GHz wireless for concurrent coverage will solve most interference issues in a crowded environment. For example, a client can simultaneously use the 2.4 GHz channel for all household mobile devices and reserve the 5 GHz channel for tasks that are sensitive to packet loss – such as streaming high-quality videos.

Not only our RouterOS software comes with robust security options, we also focus on the production security. There is no outsourcing, every device is assembled in our premises and all the components come from reputable, trusted partners – such as Qualcomm. We cooperate with European law-makers and work

hard to ensure full compliance with all the necessary safety policies. MikroTik is all about smooth, long-term cooperation without surprises.

Reach speeds of up to 600 Mbps with carrier aggregation, as CAT12 allows devices to use three bands at the same time. That is a huge advantage when there are a lot of LTE users in the area. Chateau LTE12 provides better responsiveness in a crowded environment and higher efficiency for weaker signal situations in the countryside.

Depending on the service provider, we have seen Internet speed doubling in rural areas after switching to carrier aggregation, so there is no need to wait for cable network expansions.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBD53G-5HacD2HnD-TC&EG12-EA;
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	448-896 (auto) MHz
Switch chip model	IPQ-4019
Dimensions	240 x 156 x 44 mm
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	1 (DC jack)
DC jack input Voltage	12-28 V
Max power consumption	23 W
Max power consumption without attachments	17 W
Cooling type	Passive

Mobile

Details	
3G Category	R8 (42.2Mbps Downlink, 11.2Mbps Uplink)
3G bands	1 (2100MHz) / 5 (850MHz) / 8 (900MHz) / 3 (1800MHz)
LTE Category	12 (600Mbps Downlink, 150Mbps Uplink)
LTE FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 28 (700MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)
TAC	86056104

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	3
Wireless 2.4 GHz chip model	IPQ-4019
Wireless 2.4 GHz generation	Wi-Fi 4
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	4
Wireless 5 GHz chip model	IPQ-4019
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	5

Peripherals

Details	
Number of SIM slots	1 Modem (Micro SIM)
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Wireless specifications

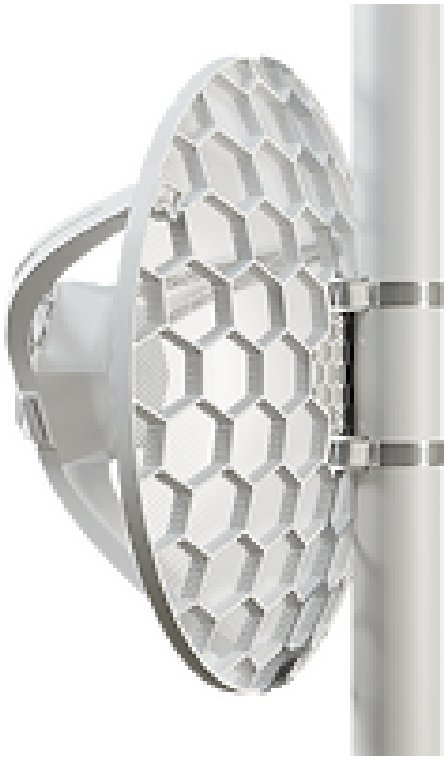
2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	25	-100
11MBit/s	25	-94
6MBit/s	26	-96
54MBit/s	23	-78
MCS0	26	-96
MCS7	22	-73

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	26	-96
54MBit/s	22	-80
MCS0	26	-96
MCS7	21	-75
MCS9	19	-70

Included parts

• UTP Flat Cable (1.5m)
• 24V 1.2A power supply (straight plug)

MikroTik LHGG LTE6 kit



SKU: LHGGR&FG621-EA;
Type: simple
Categories: LTE, MikroTik Products

Price: 42,476 kr

When mobile phone reception fails, the LHGG LTE6 kit steps in as your reliable last-mile-internet solution. Its large 17 dBi antenna and our latest Cat6 LTE modem with the ability to use multiple LTE bands at the same time ensure fast and reliable connectivity when all other options fail. Mount it on a pole, a mast, on your roof or any other tall structure – and always stay connected!

This kit is an update that combines the strengths of our previous LHG bestsellers. It has gained Gigabit Ethernet – so you can harness the full speed potential of the LTE modem, which has also been upgraded from Cat4 to Cat6! The new LTE modem allows us to drive the price down, boost performance, and offer further discounts on mobile operator project volume orders!

The sleek and unobtrusive weatherproof design has proven its resilience across various climate zones, enduring even the harshest winds effortlessly. This translates to significant time and cost savings on maintenance for you or your team.

The mighty high-gain antenna boasts broad support for a versatile range of LTE bands, spanning from 2.7 GHz to 700 MHz. With such extensive coverage, you can expect to capture a signal virtually anywhere

across the globe!

Cable networks and phones can no longer limit you. Choose an LHG – and always stay connected!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	LHGGR&FG621-EA;
Architecture	ARM 64bit
CPU	88F3720
CPU core count	2
CPU nominal frequency	800 MHz
RouterOS license	3
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	8 W
Max power consumption without attachments	8 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

Mobile

Details	
3G Category	R8 (42.2Mbps Downlink, 11.2Mbps Uplink)
3G bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)
LTE Category	6 (300Mbit/s Downlink, 50Mbit/s Uplink)
MIMO DL	2x2
MIMO UL	1x1
LTE FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 28 (700MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)
TAC	86335904

Ethernet

Details	
10/100/1000 Ethernet ports	1

Peripherals

Details	
Number of SIM slots	1 Modem (Micro SIM)
MiniPCI-e slots	1

Other

Details	
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	54

Included parts

• 24V 0.8A power adapter

• K-LHG kit
• Gigabit PoE injector
• Hose clamp 2

MikroTik LtAP LTE6 kit

SKU: LtAP-2HnD&FG621-EA;
Type: simple
Categories: 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, LTE, MikroTik Products, WAP

Price: 47,233 kr

wAP ac LTE kit is a tiny dual-band weatherproof wireless access point for installation outside your house, in the garden, on your porch, or in any other challenging environment where you need a capable wireless connection on a tight budget. Two Gigabit ports allow using the speedy built-in LTE modem as a mobile internet backup connection, in case you already have a wired ISP.

The new revision features a new LTE modem that offers improved connectivity, the addition of the popular B28 band, and a serious price drop!

wAP ac LTE kit is weatherproof and can be fixed to any external wall from the inside of the case – for extra security and less visible attachments. The bottom part can also be secured with a special anti- vandal screw, which can only be opened by the owner.

There is an opening in the back of the case, allowing you to run the Ethernet cable directly behind the unit and through the wall. This way the wAP attracts less attention and blends into any environment.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the

product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	wAPGR-5HacD2HnD&EC200A-EU;
Architecture	ARM 32bit
CPU	IPQ-4018
CPU core count	4
CPU nominal frequency	488-896 (auto) MHz
Switch chip model	IPQ-4018
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-30°C to 60°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	2 (PoE-IN, DC jack)
DC jack input Voltage	10-57 V
Max power consumption	12 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	18-57 V

Mobile

Details	
2G Category	Class12
2G bands	8 (900MHz) / 3 (1800MHz)
3G Category	R7 (21Mbps Downlinks, 5.76Mbps Uplink)
3G bands	5 (850MHz) / 8 (900MHz) / 1 (2100MHz)
LTE Category	4 (150Mbps Downlink, 50Mbps Uplink)
LTE FDD bands	20 (800MHz) / 3 (1800MHz) / 1 (2100MHz) / 7 (2600MHz) / 8 (900 MHz) / 5 (850MHz) / 28 (700MHz)
LTE TDD bands	40 (2300MHz) / 38 (2600MHz) / 41n (2500MHz)
TAC	86314105

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2.5
Wireless 2.4 GHz chip model	IPQ-4018
Wireless 2.4 GHz generation	Wi-Fi 4
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	2.5
Wireless 5 GHz chip model	IPQ-4018
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	2

Peripherals

Details	
Number of SIM slots	1 Modem (Micro SIM)
MiniPCI-e slots	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, E-MARK, EAC, ROHS
IP	54

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	24	-95
54MBit/s	20	-78
MCS0	24	-95
MCS7	19	-73
MCS9	17	-68

Included parts

• 24V 0.8A power adapter
• K-52 fastening set
• Gigabit PoE injector
• K-50 locking set
• wAP desktop stand
• wAP ceiling mount bracket
• wAP mount
• Hose clamp 1
• Plastic zip tie

MikroTik LHG LTE18 kit

SKU: LHGGM&EG18-EA;
Type: simple
Categories: LTE, MikroTik Products

Price: 66,263 kr

Like the previous LHG LTE models, this is a **last mile-internet solution** for situations **when even your phone might not have any signal**. The new LHG comes with a cutting-edge Category 18 LTE modem – for the fastest mobile internet no matter where you are. This kit supports **speeds up to one Gbps!** Due to its **large high-gain 17 dBi antenna**, LHG LTE18 kit can connect to cell towers in extreme rural locations where nothing else is available.

There is a massive heat sink, so you don't have to worry about overheating. The grid antenna design can withstand harsh, windy weather. And it can be mounted in different ways, including poles and masts.

The LHG LTE18 kit features a 1.2 Gbps CAT18 LTE modem, which enables carrier aggregation and allows the device to use multiple bands at the same time. That is a huge advantage when there are a lot of LTE users in the area. It provides better responsiveness in a crowded environment and higher efficiency for weaker signal situations in the countryside. If you're competing for traffic in a place with poor connectivity, the new LHG will give you the upper hand. We have seen internet speed doubling in rural areas after switching to carrier aggregation, so there is no need to wait for cable network expansions

There's a mighty high-gain antenna inside that supports a variety of LTE bands. It goes as high as 2.7 GHz. And it offers extensive low frequency coverage as well. Keep in mind that the device only supports 2x2 DL MIMO as the LHG has only 2 antenna ports. You'll be using the **Gigabit Ethernet port with PoE-in** for powering from an ethernet switch. But we've included an injector as well. There's a standard **MicroSIM slot** for LTE connectivity. And at the heart of this useful gadget, we have a **powerful 64 bit dual-core ARM CPU**.

So don’t wait for cable or satellite network providers to reach you – choose LHG LTE18 kit and always stay connected!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	LHGGM&EG18-EA;
Architecture	ARM 64bit
CPU	88F3720
CPU core count	2
CPU nominal frequency	800 MHz
RouterOS license	3
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	8 W
Max power consumption without attachments	8 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

Mobile

Details	
3G Category	R8 (42.2Mbps Downlink, 11.2Mbps Uplink)
3G bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)
LTE Category	18 (1.2Gbps Downlink, 150Mbps Uplink)
MIMO DL	2x2
LTE FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 28 (700MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)
TAC	86981604

Ethernet

Details	
10/100/1000 Ethernet ports	1

Peripherals

Details	
Number of SIM slots	1 Modem (Micro SIM)
Number of M.2 slots	1

Other

Details	
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	54

Included parts

• 24V 0.8A power adapter
• Gigabit PoE injector

• Hose clamp 2
• K-LHG kit (LHG LTE18)

MikroTik wAP ac LTE6 kit

SKU: RBwAPGR-5HacD2HnD&R11e-LTE6;
Type: simple
Categories: 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, LTE, MikroTik Products, Router Board, WAP

Price: 49,613 kr

A small package with huge ambition – the wAP ac LTE6 kit is an upgrade of our extremely cost-effective dual-band (2.4 / 5 GHz) home access point based on the popular weatherproof wAP form factor. Its new CAT6 LTE modem enables even greater download speed – up to 300 Mbps!

CAT6 also enables carrier aggregation and allows the device to use multiple bands at the same time. A huge advantage when there are a lot of LTE users in the area. It provides better responsiveness in a crowded environment and higher efficiency for weaker signal situations in the countryside.

wAP ac LTE6 kit has two Gigabit Ethernet ports – you can use the device as a wired router with LTE backup via the Micro SIM slot. Alternatively, you can enjoy smooth wireless experience anywhere – indoors or outdoors. wAP ac LTE is designed to deliver strong and reliable connection in almost any situation and weather conditions. It can withstand temperatures from -30 C° to +60 C° and can be easily mounted on walls, ceilings or poles.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBwAPGR-5HacD2HnD&R11e-LTE6;
Architecture	ARM 32bit
CPU	IPQ-4018
CPU core count	4
CPU nominal frequency	488-896 (auto) MHz
Switch chip model	IPQ-4018
RouterOS license	4
Operating System	RouterOS
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-30°C to 60°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	10-57 V
Max power consumption	16 W
Max power consumption without attachments	10 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	18-57 V

Mobile

Details	
2G Category	Class12
2G bands	2 (1900MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)
3G Category	R7 (21Mbps Downlinks, 5.76Mbps Uplink) / R8 (42.2Mbps Downlink, 5.76Mbps Uplink)
3G bands	1 (2100MHz) / 2 (1900MHz) / 5 (850MHz) / 8 (900MHz)
LTE Category	6 (300Mbit/s Downlink, 50Mbit/s Uplink)
LTE FDD bands	1 (2100MHz) / 2 (1900MHz) / 3 (1800MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 5 (850MHz) / 12 (700MHz) / 17 (700MHz) / 25 (1900MHz) / 26 (850MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 39 (1900MHz) / 41n (2500MHz)
TAC	35666210

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2.5
Wireless 2.4 GHz chip model	IPQ-4018
Wireless 2.4 GHz generation	Wi-Fi 4
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	2.5
Wireless 5 GHz chip model	IPQ-4018
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	2

Peripherals

Details	
Number of SIM slots	1 Modem (Micro SIM)
MiniPCI-e slots	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP54

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-100
11MBit/s	22	-94
6MBit/s	23	-95
54MBit/s	19	-78
MCS0	23	-95
MCS7	18	-73

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	24	-95
54MBit/s	20	-78
MCS0	24	-95
MCS7	19	-73
MCS9	17	-68

Included parts

• K-50 locking set
• Plastic zip tie
• Metal ring (one)

• K-52 fastening set
• Gigabit PoE injector
• 24V 0.8A power adapter
• wAP desktop stand
• wAP ceiling mount bracket
• wAP mount

MikroTik SXT LTE6 kit

SKU: SXTR&FG621-EA;
Type: simple
Categories: LTE, MikroTik Products

Price: 28,204 kr

SXT LTE6 kit is an update of our timeless device for remote locations that are within cellular network coverage. It features the same modern Category 6 LTE chip that you might have seen in our latest devices – like the popular Chateau LTE6 ax! Not only this LTE chip can provide reliable Internet connectivity for your building even where cell phones fail, it also allowed us to drive the price for this kit way down. **Mount an SXT outside your home – and always stay connected!**

You’re getting the classic, fundamental design that has stood the test of time. Weatherproof. Unobtrusive. Snow-resistant. With a modern

LTE6 card for uninterrupted mobile connectivity. And a price around 30% lower than the original SXT LTE6 kit. Furthermore, we offer significant project discounts and custom branding options on volume orders. **The best price on the market becomes even better!**

We've included **two Micro-SIM slots** – for backup. It never hurts to have extra options when it comes to mobile network coverage. Also, the Category 6 LTE modem enables **carrier aggregation**, allowing SXT to use multiple LTE bands simultaneously. That's a huge advantage when there are a lot of mobile users in the area. It offers better responsiveness in a crowded environment. And higher efficiency for weaker signal situations in the countryside. Win-win! We have seen Internet speed doubling in rural areas after switching to CAT6, so there is no need to wait for cable network expansions.

The unit is equipped with **two Ethernet ports and PoE functionality: PoE-in on Ether1, PoE-out on Ether2.** That means SXT can power other devices or be powered by other devices, making your cable management so much easier!

Unit is shipped with a 24 V power supply, but can support a wide range of 12-57 V and is 802.3af/at compliant.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	SXTR&FG621-EA;
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9531
RouterOS license	3
Operating System	RouterOS v7
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 60°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	22 W
Max power consumption without attachments	5 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

PoE-out

Details	
PoE-out ports	Ether2
PoE out	Passive PoE up to 57V
Max out per port output (input 18-30 V)	600 mA
Max out per port output (input 30-57 V)	400 mA
Max total out (A)	600 mA

Mobile

Details	
3G Category	R8 (42.2Mbps Downlink, 11.2Mbps Uplink)
3G bands	3 (1800MHz) / 5 (850MHz) / 8 (900MHz) / 1 (2100MHz)
LTE Category	6 (300Mbit/s Downlink, 50Mbit/s Uplink)
MIMO DL	2x2
MIMO UL	1x1
LTE FDD bands	5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 1 (2100MHz) / 3 (1800MHz) / 28 (700MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)
TAC	86335904

Ethernet

Details	
10/100 Ethernet ports	2

Peripherals

Details	
Number of SIM slots	2 Modem (Micro SIM)
MiniPCI-e slots	1

Other

Details	
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	54

Included parts

• 24V 1.2A power adapter
• Metal ring (one)
• Pole mounting bracket
• PoE injector

MikroTik Chateau LTE18 ax

SKU: S53UG+5HaxD2HaxD-TC&EG18-EA;
Type: simple
Categories: 802.11a, 802.11ac, 802.11ax, 802.11b, 802.11g, 802.11n, Chateau Wireless, LTE, MikroTik Products, WAP

Price: 77,295 kr

On the surface, the new Chateau is very similair to the previous models. We had a fantastic LTE18 launch with our partners at LMT – the leading mobile operator in Latvia. Our Chateau replaced the usual brands – and the client satisfaction skyrocketed. Most users appreciated better speed and stability, as well as the abundance of useful RouterOS features and general flexibility. And don't forget the elegant look that fits right in anywhere – from traditional homes and luxury residences to modern office and corporate environments.

The next obvious step in the Chateau series was perfecting the wireless capabilities. With the **Generation6 802.11ax wireless standard and Wave 2 support**, Chateau LTE18 ax can deliver unprecedented speed. If we compare it to the previous generation, we're looking at **up to 40% higher speed in the 5 GHz and up to 90% higher speed in the 2.4 GHz spectrum!** We've made massive improvements to the wireless radio and antennas. Chateau LTE18 ax supports **MIMO 4x4 on LTE**. There are 4 built-in LTE antennas and 2 optional external network antennas for exceptional coverage in your whole home!

With speeds like that, the ports also had to rise to the occasion. We kept four Gigabit Ethernet ports and **added a 2.5 Gigabit Ethernet port** on top. And let's not forget the **USB** which can be handy for storage purposes.

The modern **quad-core CPU running at 1.8 GHz** combined with a solid GB of RAM packs a hefty punch when it comes to heavy operations like **complex firewall rules, IPsec hardware encryption, using more threads or experimenting with advanced RouterOS features**. And with the addition of **WPA3** advanced encryption support, you're safer than ever before.

We have been making our own software since 1996. And over the years, we've managed to create the most powerful and flexible networking software on the market. With each new version, our priority remained the same: to provide users with the freedom to explore different setups and always have the right tools for the job. Run a secure VPN from the office directly to your home, enable parental control, QoS (traffic prioritization for certain needs, such as streaming), complex firewall rules, IPsec hardware acceleration, VLAN, e-mail or SMS notifications.. You can even automate complex trigger notifications ("Your bandwidth has reached X for Y minutes!") and modify queues based on bandwidth usage. If you can imagine it – RouterOS can achieve it.

There are no paywalls and no confusing subscriptions. You're getting all the features - from consumer to enterprise-grade. For mobile operators and ISPs, this is groundbreaking. Finally - a single product to satisfy the most diverse group of people.

Not only does RouterOS come with robust security options, we also focus on the production security. There is no outsourcing, every Chateau device is assembled at our EU contract manufacturers, and all the components come from reputable, trusted partners – such as Qualcomm. We cooperate with European law-makers and work hard to ensure full compliance with all the necessary safety policies. MikroTik is all about smooth, long-term cooperation without surprises.

Chateau is a remarkable choice for any mobile operator. It can be customized with a variety of labels or printed branding. And operators can use the TR-069 technology to create **custom remote client management options**, such as router configuration via the same web-page clients are using to pay the mobile bill. Advanced users, seasoned sysadmins, and networking enthusiasts can take advantage of the astounding depth of RouterOS. And the non-tech households can skip all that, using a simple, straightforward web-page instead. Now is the time for great networking without compromises. Secure remote work options and a blazing fast Internet connection are no longer a luxury. They are a necessity. And Chateau is the solution.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	S53UG+5HaxD2HaxD-TC&EG18-EA;
Architecture	ARM 64bit
CPU	IPQ-6010
CPU core count	4
CPU nominal frequency	auto (864 -1800) MHz
Switch chip model	IPQ-6010
Dimensions	240 x 156 x 44 mm
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	1 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 65°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	1 (DC jack)
DC jack input Voltage	12-28 V
Max power consumption	19 W
Max power consumption without attachments	16 W
Cooling type	Passive

Mobile

Details	
3G Category	R8 (42.2Mbps Downlink, 11.2Mbps Uplink)
3G bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)
LTE Category	18 (1.2Gbps Downlink, 150Mbps Uplink)
MIMO DL	4x4
MIMO UL	1x1
LTE FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 28 (700MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)
TAC	86981604

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	574 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n/ax
Antenna gain dBi for 2.4 GHz	3
Wireless 2.4 GHz chip model	QCN-5022
Wireless 2.4 GHz generation	Wi-Fi 6
Wireless 5 GHz Max data rate	1200 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac/ax
Antenna gain dBi for 5 GHz	6
Wireless 5 GHz chip model	QCN-5052
Wireless 5 GHz generation	Wi-Fi 6

Ethernet

Details	
10/100/1000 Ethernet ports	4
Number of 2.5G Ethernet ports	1

Peripherals

Details	
Number of SIM slots	1 Modem (Micro SIM)
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	23	-100
11MBit/s	23	-94
6MBit/s	24	-96
54MBit/s	21	-80
MCS0	24	-96
MCS7	20	-75
MCS9	19	-70
MCS11	17	-67

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	24	-96
54MBit/s	21	-80
MCS0	24	-96
MCS7	20	-75

MCS9	19	-70
MCS11	17	-67

Included parts

• 24V 1.2A power adapter
• UTP Flat Cable (1.5m)

MikroTik Chateau 5G R17

SKU: S53UG+5HaxD2HaxD-TC&RG650E-EU;
Type: simple
Categories: 5G, 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, Chateau Wireless, LTE, MikroTik Products, WAP

Price: 96,712 kr

More speed. More bands. More flexibility.

Chateau 5G ax R17 may look familiar – the sleek design, the mighty dual-band Wi-Fi 6 coverage, and all the impressive RouterOS v7 features. But under the hood, everything's been pushed further.

Now powered by a 5G Release 17 cutting-edge modem, Chateau takes full advantage of the latest mobile technologies, including advanced carrier aggregation combinations. That means faster downlink speeds, greater signal stability, and improved responsiveness, even in regions where the mobile tower is far away. Wherever you are, Chateau finds the signal sweet spot.

Your network, your rules: eSIM or microSIM

Chateau has a true embedded SIM (eSIM) built right in, fully compatible with

FAQ

Go to your MikroTik account and use the MikroTik Connectivity service or use your favorite provider's eSIM right from the start. Simply log in via WebFig or WinBox, go to Interfaces > LTE > eSIM Management, and paste your operator's SM-DP+ address and activation code (an Internet connection is required).

Wireless that actually delivers

With four powerful built-in LTE/5G antennas and two external dual-chain Wi-Fi 6 antennas, Chateau gives you great performance for download and upload even in a busy, crowded environment:

• Smart aggregation with wide regional FDD + TDD band support
• Extra strong signal pickup thanks to 4x4 MIMO
• Wi-Fi coverage designed for homes of all sizes, including multi-floor setups.

For secure remote work, play, and everything in between

Chateau runs RouterOS v7, MikroTik's industrial-grade operating system used by ISPs and sysadmins around the world – but with a simple user-friendly interface that anyone can learn to use. And if you're not sure about diving deep into the world of networking, no worries, we also have an iOS/Android app for even easier installation!

Set up a secure VPN. Optimize streaming. Limit bandwidth. Create VLANs. Block sites. Send SMS alerts when usage peaks. All without subscriptions or paywalls.

Chateau 5G ax R17 is perfect for:

• Remote workers who need fast, reliable, secure LTE/5G internet
• Mobile operators are looking for a modern, simple, and affordable TR-069 device management system
• Households are tired of plastic "black box" routers that limit what they can do
• Anyone ready to ditch slow DSL or patchy Wi-Fi extenders

The device has an operating system preinstalled and licensed. No separate purchase is necessary, and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	S53UG+5HaxD2HaxD-TC&RG650E-EU;
Architecture	ARM 64bit
CPU	IPQ-6010
CPU core count	4
CPU nominal frequency	864-1800 MHz
Switch chip model	IPQ-6010
Dimensions	240 x 156 x 44 mm
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	1 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	1 (DC jack)
DC jack input Voltage	12-28 V
Max power consumption	27 W
Max power consumption without attachments	18 W
Cooling type	Passive

Mobile

Details	
3G Category	R8 (42.2Mbps Downlink, 5.76Mbps Uplink)
3G bands	5 (850MHz) / 8 (900MHz) / 1 (2100MHz)
LTE Category	20 (2.0 Gbps Downlink, 211 Mbps Uplink)
MIMO DL	20 (2.0 Gbps Downlink, 211 Mbps Uplink)
MIMO UL	1x1 (5G SA MIMO UL 2x2)
LTE FDD bands	1 (2100MHz)3 (1800MHz)5 (850MHz)7 (2600MHz)8 (900 MHz)20 (800MHz)28 (700MHz)32 (1500 MHz)
LTE TDD bands	38 (2600MHz)41 (2500MHz)42 (3500MHz)40 (2300MHz)43 (3700MHz)
5G NSA FDD bands	1 (2100 MHz)3 (1800 MHz)5 (850 MHz)7 (2600 MHz)8 (900 MHz)20 (800 MHz)26 (850 MHz)28 (700 MHz)67 (700 MHz)75 (1500 MHz)76 (1500 MHz)
5G NSA TDD bands	38 (2600 MHz)40 (2300 MHz)41 (2500 MHz)77 (3700 MHz)78 (3500 MHz)
5G SA FDD bands	1 (2100 MHz)3 (1800 MHz)5 (850 MHz)7 (2600 MHz)8 (900 MHz)20 (800 MHz)26 (850 MHz)28 (700 MHz)67 (700 MHz)75 (1500 MHz)76 (1500 MHz)
5G SA TDD bands	38 (2600 MHz)40 (2300 MHz)41 (2500 MHz)77 (3700 MHz)78 (3500 MHz)
TAC	86896506

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	574Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n/ax
Antenna gain dBi for 2.4 GHz	3
Wireless 2.4 GHz chip model	QCN-5022
Wireless 2.4 GHz generation	Wi-Fi 6
Wireless 5 GHz Max data rate	1200 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac/ax
Antenna gain dBi for 5 GHz	6
Wireless 5 GHz chip model	QCN-5052
Wireless 5 GHz generation	Wi-Fi 6

Ethernet

Details	
10/100/1000 Ethernet ports	4
Number of 2.5G Ethernet ports	1

Peripherals

Details	
Number of SIM slots	1 Modem (Micro SIM)
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1.5

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes
eSIM	Yes
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

Performance Testing

Wireless RF & Sensitivity

Band	Rate / MCS	Transmit (dBm)	Receive Sensitivity (dBm)
2.4 GHz	1 Mbit/s	23	-100
11 Mbit/s	23	-94	
6 Mbit/s	24	-96	
54 Mbit/s	21	-80	
MCS0	24	-96	
MCS7	20	-75	
MCS9	19	-70	
MCS11	17	-67	
5 GHz	6 Mbit/s	24	-96
54 Mbit/s	21	-80	
MCS0	24	-96	
MCS7	20	-75	
MCS9	19	-70	
MCS11	17	-67	

Ethernet Test Results

Mode / Configuration	1518 byte (Mbps)	512 byte (Mbps)	64 byte (Mbps)
Bridging none (fast path)	2662	2430.9	821
Bridging 25 bridge filter rules	2649.1	1885.3	254.9
Routing none (fast path)	2657.8	2443.6	668.2
Routing 25 simple queues	2653.5	1898	254.9
Routing 25 IP filter rules	2614.4	1145.2	153.3

1. All tests are done with Xena Networks' specialized test equipment (XenaBay), andare done according to RFC2544 (Xena2544)
2. Max throughput is determined with 30+ second attempts with 0,1% packet loss tolerance in 64, 512, 1518 byte packet sizes
3. Test results show device maximum performance, and are reached using the mentioned hardware and software configuration; different configurations most likely will result in lower results

IPsec Test Results

Mode / Configuration	1400 byte (Mbps)	512 byte (Mbps)	64 byte (Mbps)
Single tunnel AES-128-CBC + SHA1	878.1	376.4	47.9
256 tunnels AES-128-CBC + SHA1	561.1	227.3	30
256 tunnels AES-128-CBC + SHA256	560	226.9	30
256 tunnels AES-256-CBC + SHA1	553.3	224.5	30
256 tunnels AES-256-CBC + SHA256	553.3	225.3	30

1. All tests are done with Xena Networks' specialized test equipment (XenaBay), and are done according to RFC2544 (Xena2544)
2. Max throughput is determined with 30+ second attempts with 0,1% packet loss tolerance in 64, 512, 1400 byte packet sizes
3. Test results show device maximum performance, and are reached using the mentioned hardware and software configuration; different configurations most likely will result in lower results

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MikroTik wAP LTE kit (2024)

SKU: wAPR-2nD&EC200A-EU;
Type: simple
Categories: 802.11b, 802.11g, 802.11n, LTE, MikroTik Products, WAP

Price: 23,787 kr

wAP LTE kit is a tiny weatherproof wireless access point for installation outside your house, in the garden, on your porch, or in any other challenging environment where you need a capable wireless connection on the tightest budget possible. It features an Ethernet port with passive PoE-in, but there are more ways to power this affordable access point: there's also a standard DC jack and an automotive plug.

The new revision features a new LTE modem that offers improved connectivity, the addition of the popular B28 band, and a massive price drop!

wAP LTE kit is weatherproof and can be fixed to any external wall from the inside of the case – for extra security and less visible attachments. The bottom part can also be secured with a special anti-vandal screw, which can only be opened by the owner. There is an opening in the back of the case, allowing you to run the Ethernet cable directly behind the unit and through the wall. This way the wAP attracts less attention and blends into any environment.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	wAPR-2nD&EC200A-EU;
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 60°C

Powering

Details	
Number of DC inputs	3 (PoE-IN, DC jack, Automotive)
DC jack input Voltage	9-30 V
Automotive input Voltage	9-30 V
Max power consumption	7 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	9-30 V

Mobile

Details	
2G Category	Class12
2G bands	8 (900MHz) / 3 (1800MHz)
3G Category	R7 (21Mbps Downlinks, 5.76Mbps Uplink)
3G bands	5 (850MHz) / 8 (900MHz) / 1 (2100MHz)
LTE Category	4 (150Mbps Downlink, 50Mbps Uplink)
LTE FDD bands	20 (800MHz) / 3 (1800MHz) / 1 (2100MHz) / 7 (2600MHz) / 8 (900 MHz) / 5 (850MHz) / 28 (700MHz)
LTE TDD bands	40 (2300MHz) / 38 (2600MHz) / 41n (2500MHz)
TAC	86314105

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2
Wireless 2.4 GHz chip model	QCA9531
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	1

Peripherals

Details	
Number of SIM slots	1 Modem (Mini SIM)
MiniPCI-e slots	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, E-MARK, EAC, ROHS
IP	54

Included parts

• 24V 0.8A power adapter
• K-52 fastening set
• K-50 locking set
• wAP desktop stand
• wAP mount
• 0.35m 4pin Automotive adapter cable
• wAP ceiling mount bracket
• PoE injector

MikroTik LtAP mini

SKU: RB912R-2nD-LTm
Type: simple
Categories: 802.11b, 802.11g, 802.11n, LTE, MikroTik Products, Router Board, WAP

Price: 23,447 kr

The LtAP mini is a small weatherproof wireless access point with integrated LTE antennas (with two u.fl pigtails) and miniPCI-e slot, so you can use your own LTE modem of your choice.

The LtAP mini also has one 10/100 Ethernet LAN port for your wired devices. The RS232 serial port gives you console access for debugging. The unit has several powering options: 12-57 V PoE-in by Ethernet port, 8-30 V DC jack and 5 V microUSB.

LtAP mini has a special enclosure with a wall mounting kit, two SIM slots to alternate between cellular providers, and integrated GPS support, making this a perfect device for use in moving vehicles like cars, buses
or trains. Use the built in GPS module to track the location of your vehicle in real time, we have even provided a simple
tracking application example in the RouterOS documentation, to help you start development of your platform. External GPS antenna is available for ordering separately (not included, product code GPSANT).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB912R-2nD-LTm
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Dimensions	139 x 77 x 28,5 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
MicroUSB input Voltage	5 V
Number of DC inputs	3 (DC jack, PoE-IN, MicroUSB)
DC jack input Voltage	8-30 V
Max power consumption	9 W
Max power consumption without attachments	4 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	1.5
Wireless 2.4 GHz chip model	QCA9531
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	1

Peripherals

Details	
Number of SIM slots	2 Modem (Mini SIM)
MiniPCI-e slots	1
Serial console port	RS232

Other

Details	
Mode button	Yes
GNSS standards	GPS
GPS RF connector type	uUFL

Certification & Approvals

Details	
Certification	CE, FCC, IC, E-MARK, EAC, ROHS
IP	IP54

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

Included parts

• K-55 screw kit
• External DC cable

• PoE injector
• 24V 1.2A power adapter
• Elastic thermal pad 25x40x3,5mm

MikroTik cAP XL ac

SKU: RbcAPGi-5acD2nD-XL
Type: simple
Categories: ! Featured Products !, 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, Ceiling AP, MikroTik Products, WAP

Price: 23,787 kr

Need a nice-looking access point that won't get in your way? Or perhaps you're managing the network in a crowded place and don't want everyone to have physical access to the device? Either way – ceiling is the answer! The device itself is pretty sleek - the low profile attracts less attention than a smoke detector. Your clients, guests, or colleagues won't even notice it. But they will definitely notice the blazing fast wireless connection all across the premises.

The new design features a larger high-gain antenna, higher sensitivity, and a built-in reflector. These improvements allow increasing the covered area by up to 100%, compared to the previous cAP models!

The dual-band, dual-chain 2.4 and 5 GHz wireless radio provides a strong coverage in 360 degrees around it, so you don't have to worry about the placement of the device so much. Putting it on the ceiling eliminates many signal absorption problems, such as the signal being blocked by large TV sets, metal cubicle walls in open space offices, etc.

Even though the radio supports repeater mode, the two Gigabit Ethernet ports give you the ability to extend your network with cables, even if PoE power is required: the cAP XL ac supports 802.3af/at PoE input on the first port and passive PoE output (up to 57V) on the second port.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBcAPGi-5acD2nD-XL
Architecture	ARM 32bit
CPU	IPQ-4018
CPU core count	4
CPU nominal frequency	488-896 (auto) MHz
Switch chip model	IPQ-4018
Dimensions	191 x 42 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	6
Wireless 2.4 GHz chip model	IPQ-4018
Wireless 2.4 GHz generation	Wi-Fi 4
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	5.5
Wireless 5 GHz chip model	IPQ-4018
Wireless 5 GHz generation	Wi-Fi 5
WiFi speed	AC1200

Ethernet

Details	
10/100/1000 Ethernet ports	2
Number of 1G Ethernet ports with PoE-out	1

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	24 W
Max power consumption without attachments	11 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	18-57 V

PoE-out

Details	
PoE-out ports	Ether2
PoE out	Passive PoE up to 57V
Max out per port output (input 18-30 V)	500 mA
Max out per port output (input 30-57 V)	330 mA
Max total out (A)	500 mA

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS

Other

Details	
Mode button	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	26	-100
11MBit/s	26	-94
6MBit/s	26	-96
54MBit/s	23	-78
MCS0	26	-96
MCS7	22	-73

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	26	-96
54MBit/s	21	-80
MCS0	26	-96
MCS7	20	-75
MCS9	18	-70

Included parts

• 24V 1.2A power adapter

• Gigabit PoE injector
• K-81 fastening set
• cAP XL ac ceiling mount

MikroTik wAP R

SKU: RBwAPR-2nD
Type: simple
Categories: 802.11b, 802.11g, 802.11n, LTE, MikroTik Products, Router Board, WAP

Price: 21,069 kr

The wAP R is a small weatherproof 2.4Ghz wireless access point with a miniPCI-e slot (so you can use your own LTE card) and LTE antennas. Unit comes with one 10/100 Ethernet LAN port for your wired devices.

The weatherproof device can be mounted outside your house, in the vehicle, on your porch or anywhere else where you need wireless access from your phone or computer. It also includes a desktop stand so you can put it inside the building near a window.

Unit has the several powering options - 9-30V PoE-in by Ethernet port, DC jack and automotive connector, very handy in mobile devices like car, bus or train.

**) the device has no built in LTE modem, the SIM slot can only be used, if an LTE modem is installed (not included with the product).*

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum

of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBwAPR-2nD
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Dimensions	185x85x30 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 60°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2
Wireless 2.4 GHz chip model	QCA9531
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	1

Peripherals

Details	
Number of SIM slots	1 Modem (Mini SIM)
MiniPCI-e slots	1

Powering

Details	
Number of DC inputs	3 (DC jack, PoE-IN, Automotive)
DC jack input Voltage	9-30 V
Automotive input Voltage	9-30 V
Max power consumption	6 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	9-30 V

Certification & Approvals

Details	
Certification	CE, FCC, IC, E-MARK, EAC, ROHS
IP	IP54

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

Included parts

• 24V 0.8A power adapter
• PoE injector
• Plastic zip tie
• 0.35m 4pin Automotive adapter cable
• wAP desktop stand
• wAP ceiling mount bracket
• K-50 locking set
• Elastic thermal pad 25x40x3,2mm
• K-52 fastening set
• wAP mount

MikroTik cAP lite

SKU: RBcAPL-2nD
Type: simple
Categories: 802.11b, 802.11g, 802.11n, Ceiling AP, MikroTik Products, Router Board, WAP

Price: 6,796 kr

The cAP lite is a tiny access point device, perfect for public locations and hospitality businesses like hotels, airports, shopping malls etc. Included with the product are two different casings, which can easily be swapped out, or, if you really like to fit the design with the environment, we are providing 3D printer friendly design files.

The cAP lite supports 802.11b/g/n and can be powered by power over ethernet. It’s a perfect companion for the MikroTik CAPsMAN (controlled AP system manager), allowing you to control all your AP devices from one central location. The cAP lite can also be used as a stand alone access point with the full

potential of RouterOS.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBcAPL-2nD
Architecture	MIPSBE
CPU	QCA9533
CPU core count	1
CPU nominal frequency	650 MHz
Dimensions	Wall case: 88 x 52 x 20 mm Ceiling case: ■88 mm x 20 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	1.5
Wireless 2.4 GHz chip model	QCA9533
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	1

Powering

Details	
MicroUSB input Voltage	5 V
Number of DC inputs	2 (MicroUSB, PoE-IN)
Max power consumption	4 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	10-60 V

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP20

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

Included parts

• 24V 0.2A power adapter
• Fastening set
• PoE injector

MikroTik MikroTik Audience mesh router

SKU: RBD25G-5HPacQD2HPnD
Type: simple
Categories: 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, Home AP, MikroTik Products, Router Board, SOHO, WAP

Price: 40,097 kr

Introducing the MikroTik Audience mesh router.

Modern home Wi-Fi needs to be reliable, consistent, and able to reach every room — not just fast on paper. Audience is designed specifically for large homes where running network cables isn't practical. Using a dedicated wireless mesh design, it delivers a more consistent experience across your space without requiring any wiring.

If you *can* run network cables, you'll usually get even better performance by using hAP ax s as your main router and cAP ax access points mounted throughout the home. In the end, it comes down to one simple question: **how do you feel about cables?**

MikroTik Audience mesh router is a tri-band home access point (one 2.4 GHz & two 5 GHz bands) with meshing technology. If you need Wi-Fi in a large building with all kinds of obstacles, simply add more Audience devices to your network – with a single press, they will sync seamlessly and create a single Wi-Fi network to cover the whole premises. The initial setup is also very simple – download the iOS or Android MikroTik app, and it will connect to the router and guide you through a quick setup process.

In some cases, a single Audience unit can replace several other routers – in our tests, it easily covered 1858 m² (20000 square feet). It depends on the number of obstacles, the number of Wi-Fi clients, and interference, so results may vary.

Dual-chain 2.4 GHz and 5 GHz wireless coverage will solve most interference issues in a crowded environment. For example, you can simultaneously use the 2.4 GHz channel for all your household mobile devices and reserve the 5 GHz channel for your PC or TV.

Order your Audience today and start living in the future. The future of easy and elegant networking.

The device has an operating system preinstalled and licensed. No separate purchase is necessary, and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Product specifications

Details	
Product code	RBD25G-5HPacQD2HPnD
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	448-896 (auto) MHz
Switch chip model	IPQ-4019
Dimensions	100 x 235 x 97 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	256 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 60°C
IPsec hardware acceleration	Yes

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	3.5
Wireless 2.4 GHz chip model	IPQ-4019
Wireless 2.4 GHz generation	Wi-Fi 4
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	4.5
Wireless 5 GHz chip model	IPQ-4019
Wireless 5 GHz generation	Wi-Fi 5
Wireless 5 GHz Max data rate	1733 Mbit/s
Wireless 5 GHz number of chains	4
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	4.5
Wireless 5 GHz chip model	QCA9984
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	2

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	27 W
Max power consumption without attachments	27 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	24-57 V

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP20

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	26	-100
11MBit/s	26	-94
6MBit/s	29	-96
54MBit/s	26	-80
MCS0	29	-96
MCS7	25	-75

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	28	-95
54MBit/s	25	-78
MCS0	28	-95
MCS7	24	-75
MCS9	22	-70

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	32	-96
54MBit/s	28	-80
MCS0	32	-96
MCS7	27	-77
MCS9	25	-72

Included parts

MikroTik Chateau LTE6

SKU: D53G-5HacD2HnD-TC&FG621-EA
Type: simple
Categories: 802.11ax, 802.11b, 802.11g, 802.11n, Chateau Wireless, LTE, MikroTik Products, WAP

Price: 35,620 kr

Are you tired of those suspicious, low-quality default routers from your service providers? So many households are switching to mobile internet, but those default routers can really ruin the experience. Not only do they lack features, speed, and power, the designs can get weird with all the black boxes and spiky antennas. That's why we decided to take everything we've learned over the last 20 years of networking excellence and create **a single device that will make most households happy: the MikroTik Chateau**. It features a purposeful balance of extensive features, accessible pricing, and classy design that will fit right in. Chateau is a high-speed, dual-band home access point that adapts to your needs. It features a **powerful quad-core ARM CPU**, a **fast, reliable, and responsive CAT6 LTE modem** for excellent mobile connectivity, and **the most advanced networking software on the market – RouterOS**. But don't worry – it can be as simple or as complex as you want. Chateau is designed to serve the most diverse user groups: IT professionals can push it to its limits, regular households can plug it in and forget it exists. With Chateau, you will always have options. 5x Gigabit Ethernet ports can be useful to connect all your home devices (media servers, PC towers, TV's). You can also keep the LTE as a backup and use the Gigabit Ethernet to connect to a wired ISP for even higher speeds!

Do you dream of escaping the hustle and bustle of the city and moving to the countryside? Perhaps you've already made the move but are frustrated by the slow internet speeds. Fear not, because Chateau is here to solve all your connectivity problems.

Many rural households are limited by cheap, featureless LTE routers that simply can't handle the demands of modern internet usage. That's where Chateau comes in. When the leading mobile operator in Latvia – LMT – replaced their previous client routers with Chateau devices, customer satisfaction went through the roof! Same LTE towers, same data plans, and a brand new Chateau – just like that! **What is the point of having brand new phones, excellent LTE coverage, high-end laptops, and so on... if your old router**

is the bottleneck?

Reach **consistent speeds of up to 300 Mbps with carrier aggregation**, as CAT6 allows devices to use multiple bands simultaneously. That is a huge advantage in areas with many LTE users. Chateau LTE6 provides better responsiveness in a crowded environment and higher efficiency for weaker signal situations in the countryside. Depending on the service provider, we have seen Internet speed doubling in rural areas after switching to carrier aggregation, so there is no need to wait for cable network expansions.

Chateau comes with all the advanced RouterOS features, so you're getting enterprise-level solutions with consumer-grade pricing. Run a secure VPN from the office directly to your home, enable all kinds of parental control, dive deep into specific firewall rules and IPsec hardware acceleration, configure VLANs, set up e-mail or SMS notifications... You can even automate complex trigger notifications. For example: "WARNING, WARNING! Your bandwidth has reached X amount for Y duration!" **If you can imagine it – RouterOS can achieve it.** However, if you don't need all the complex stuff – Chateau can still be your best friend. In fact, this is the best choice for mobile operators that don't want their clients to do any configuration. Chateau supports the TR-069 technology that allows creating custom remote client management options. You can have the most straightforward and basic router settings on the same web-page that you are using to pay the mobile bill. And we offer different label or printed branding options on volume orders. **Furthermore, we can offer special project pricing and additional discounts for mobile operators to bring the costs down even more!**

You don't have to wait for cable network expansion to have fast and steady Internet at home. Mobile networks are great. If you're using a Chateau.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	D53G-5HacD2HnD-TC&FG621-EA;
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	448-896 (auto) MHz
Switch chip model	IPQ-4019
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2
Wireless 2.4 GHz chip model	IPQ-4019
Wireless 2.4 GHz generation	Wi-Fi 4
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	4
Wireless 5 GHz chip model	IPQ-4019
Wireless 5 GHz generation	Wi-Fi 5
WiFi speed	AC1200

Mobile

Details	
3G Category	R8 (42.2Mbps Downlink, 11.2Mbps Uplink)
3G bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)
LTE Category	6 (300Mbit/s Downlink, 50Mbit/s Uplink)
MIMO DL	2x2
LTE FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 28 (700MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)
TAC	86335904

Ethernet

Details	
10/100/1000 Ethernet ports	5

Peripherals

Details	
Number of SIM slots	1 Modem (Micro SIM)
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Powering

Details	
Number of DC inputs	1 (DC jack)
DC jack input Voltage	12-28 V
Max power consumption	21 W
Max power consumption without attachments	15 W
Cooling type	Passive

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Other

Details	
Mode button	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	25	-100
11MBit/s	25	-94
6MBit/s	26	-96
54MBit/s	23	-78
MCS0	26	-96
MCS7	22	-73

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	26	-96
54MBit/s	22	-80
MCS0	26	-96
MCS7	21	-75
MCS9	19	-70

Included parts

• 24V 1.2A power adapter
• UTP Flat Cable (1.5m)

MikroTik L009UiGS-2HaxD-IN

SKU: L009UiGS-2HaxD-IN
Type: simple
Categories: 802.11ax, 802.11b, 802.11g, 802.11n, MikroTik Products, Router, Router Board, WAP

Price: 30,583 kr

The legendary RB2011 product line has provided affordable, flexible, and robust connectivity for over a decade. In fact, it was our very first router with SFP. Finally, it’s time for an upgrade. But don’t worry: we’ve kept and improved all the key elements and features of the beloved RB2011. Even the red color scheme and the appealing price!

There are three main reasons to choose the L009: better performance, more features, and some interesting quality-of-life improvements. Let's start with the raw power and performance improvements.

L009 features a **powerful dual-core ARM CPU**. It offers significant improvement when it comes to routing and filtering, complex firewall rules, IPsec hardware encryption, and various advanced RouterOS features. ARM CPU architecture provides significant advantages over older MIPS-based devices. Like using all the latest Linux Kernel features. Or implementing your own container projects. **The combination of a modern ARM CPU and a full-sized USB port is perfect for running custom container projects.** You could run a Pi-hole adblock on this router, for example. Or you could use the USB to add an LTE modem of your choice. Imagination is the real limit here.

L009 is up to 4 times faster than RB2011 in most cases and setups, from simple fast path routing to complex bridge filters. And L009 IPsec hardware encryption ensures lower CPU usage without measurable performance degradation compared to the regular driver. You can expect around 60-90 Mbps throughput using a 1400 byte packet size.

All the ports are now Gigabit Ethernet ports. There's PoE-in on the first port. You can use it instead of the DC jack to power the unit. And there's PoE-Out* on the last port – for powering other devices. Another helpful addition is an **SFP cage that supports both Gigabit and 2.5 Gigabit connectivity**. We have tested a variety of MikroTik SFP modules and cables that support higher speeds – the 2.5G capability makes a sysadmin's life so much easier– **there's a console port for quick direct-access configuration!**

At the heart of it all we have a speedy Marvell Peridot Switchchip which offers an impressive 2.5 Gigabit full duplex connection to the CPU to all the ports except Ether1. The first port has its own Gigabit full duplex line to the CPU. That means – countless configurations with no bottlenecks!

The 2.4 GHz dual-chain wireless connectivity is also much stronger now. The Generation 6 or the ax standard wireless offers up to **90% higher speed in the 2.4 GHz spectrum**! Not to mention the overall signal stability. It can handle more clients with better responsiveness.

The new enclosure is a spectacular innovation on its own. It's the same form-factor you might have seen with our highly sought-after RB5009 devices. It has several extremely useful properties. First of all, **the case acts as a massive heat-sink**, protecting your setups from overheating. But here's the fun part: with a simple set of accessories, you can fit up to four of these routers in a single 1U rackmount space.

Here at MikroTik, we're the world champions of server room tetris. So here's our latest lifehack for the most efficient server rooms: grab an RB5009 with PoE-out ports. And mount it together with seven L009 routers in just two 1U rackmount spaces. You'll become a living legend among system administrators, setting a new example of efficient space management and simple, reliable powering. And if you don't need the wireless capability, you can cut costs even more and try the other version of this router: the L009UiGS-RM. It has all the same features – except for the 2.4 GHz wireless. And it comes with all the necessary mounting accessories.

RB2011 will always remain a networking legend, but it's time to take it up a notch. **And the L009 product line is the perfect upgrade that will help you save time, money, and server room space like never before!**

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	L009UiGS-2HaxD-IN
Architecture	ARM
CPU	IPQ-5018
CPU core count	2
CPU nominal frequency	800 MHz
Switch chip model	88E6190
RouterOS license	5
Operating System	RouterOS v7
Size of RAM	512 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	574 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n/ax
Antenna gain dBi for 2.4 GHz	4
Wireless 2.4 GHz chip model	IPQ-5018
Wireless 2.4 GHz generation	Wi-Fi 6
WiFi speed	AX600

Ethernet

Details	
10/100/1000 Ethernet ports	8
Number of 1G Ethernet ports with PoE-out	1

Fiber

Details	
SFP ports	1 (2.5G supported)

Peripherals

Details	
Serial console port	RJ45
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB 3.0 type A
Max USB current (A)	1.5

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	24-56 V
Max power consumption	47 W
Max power consumption without attachments	14 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	24-56 V

PoE-out

Details	
PoE-out ports	Ether8
PoE out	Passive PoE
Max out per port output (input 18-30 V)	1 A
Max out per port output (input 30-57 V)	450 mA
Max total out (A)	1.0 A

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	20

Other

Details	
Mode button	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	27	-100
11MBit/s	27	-94
6MBit/s	30	-96
54MBit/s	28	-80
MCS0	30	-96
MCS7	27	-75
MCS9	25	-70
MCS11	23	-67

Included parts

• 24V 1.5A power adapter
• HGO indoor antenna kit
• K-55 screw kit

MikroTik RB951Ui-2HnD

SKU: RB951Ui-2HnD
Type: simple
Categories: 802.11b, 802.11g, 802.11n, MikroTik Products, Router, Router Board, SOHO, WAP

Price: 14,255 kr

The RB951Ui-2HnD is a wireless SOHO AP with a new generation Atheros CPU and more processing power. It has five Ethernet ports, one USB 2.0 port and a high power 2.4GHz 802.11b/g/n wireless AP with antennas built in.

It has a 600MHz CPU,128MB of RAM and PoE output function for port #5 - it can power other PoE capable devices with the same voltage as applied to the unit. Maximum load on the port is 500mA.

Package contains RouterBOARD 951Ui-2HnD in a plastic case and power adapter.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB951Ui-2HnD
Architecture	MIPSBE
CPU	AR9344
CPU core count	1
CPU nominal frequency	600 MHz
Dimensions	113x138x29mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	128 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-20C +60C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2.5
Wireless 2.4 GHz chip model	AR9344
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	5

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Powering

Details	
Number of DC inputs	2 (PoE-IN, DC jack)
DC jack input Voltage	8-30 V
Max power consumption	24 W
Max power consumption without attachments	7 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	8-30 V

PoE-out

Details	
PoE-out ports	Ether5
PoE out	Passive PoE
Max out per port output (input 18-30 V)	500 mA
Max total out (A)	500 mA

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP20

Other

Details	
Beeper	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	30	-96
54MBit/s	25	-80
MCS0	30	-96
MCS7	23	-78

Included parts

• 24V 0.8A power adapter

MikroTik mAP lite

SKU: RBmAPL-2nD
Type: simple
Categories: ! Featured Products !, 802.11b, 802.11g, 802.11n, Home AP, MikroTik Products, Router, Router Board, SOHO, WAP

Price: 7,696 kr

The mAP lite is our smallest wireless access point. It is barely larger than a matchbox, we even had to use a special Ethernet port to match it’s slim profile.

You can carry it anywhere: use as a travel router to extend that hotel internet to all your devices, or as a client device to improve your laptop signal range, the tiny mAP lite will be always with you.

It can also serve as a simple configuration tool for your servers, if there is no ethernet on your mobile device.

The mAP lite is a dual chain 802.11 b/g/n device and operates in 2GHz.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBmAPL-2nD
Architecture	MIPSBE
CPU	QCA9533
CPU core count	1
CPU nominal frequency	650 MHz
Dimensions	48x49x11mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-30°C to 70°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	1.5
Wireless 2.4 GHz chip model	QCA9533
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	1

Powering

Details	
MicroUSB input Voltage	5 V
Number of DC inputs	2 (PoE-IN, MicroUSB)
Max power consumption	3.5 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	10-60 V

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP20

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

Included parts

• 5V 1A power adapter
• K-44 mount kit

MikroTik hAP ax lite

SKU: L41G-2axD
Type: simple
Categories: ! Featured Products !, 802.11ax, 802.11b, 802.11g, 802.11n, Home AP, MikroTik Products, Router, SOHO, WAP

Price: 13,992 kr

hAP ax lite is the perfect tiny solution when you've got to cut costs but can't afford to sacrifice performance. Our latest Gen6 AX wireless chip allows you to squeeze the traditional 2.4 GHz wireless spectrum like a lemon! Depending on your overall setup, you can expect an increase in speed of up to 90%!

Very useful in scalable setups like hotels or expanding offices – the appealing price point, compact size, and a strong set of features allows adding more devices without a doubt! And – speaking of hotels – why not pack a hAP ax lite for your vacation? It takes up almost no space in your suitcase and allows you to break free from the restrictive guest networks.

Our hAP lite devices have always been about value. With **256 MB of RAM** , a modern **ARM CPU running at 800 MHz, 4x Gigabit Ethernet ports** , much higher dual-chain antenna gain (up to 4.3 dBi!), and a complete visual redesign, the new hAP ax lite is a real trailblazer of value and affordable networking.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	L41G-2axD
Architecture	ARM
CPU	IPQ-5010
CPU core count	2
CPU nominal frequency	800 MHz
Switch chip model	MT7531BE
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	574 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n/ax
Antenna gain dBi for 2.4 GHz	4.3
Wireless 2.4 GHz chip model	IPQ-5010
Wireless 2.4 GHz generation	Wi-Fi 6
WiFi speed	AX600

Ethernet

Details	
10/100/1000 Ethernet ports	4

Powering

Details	
Number of DC inputs	1 (USB-C)
Supported Voltage	5 V
Max power consumption	8 W
Cooling type	Passive

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	20

Other

Details	
Mode button	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-100
11MBit/s	22	-100
6MBit/s	22	-95
54MBit/s	18	-77
MCS0	22	-95
MCS7	17	-75
MCS9	16	-69
MCS11	15	-61

Included parts

• 5V 2.4A 12W USB power adapter

MikroTik cAP ax

SKU: cAPGi-5HaxD2HaxD
Type: simple
Categories: 802.11a, 802.11ac, 802.11ax, 802.11b, 802.11g, 802.11n, Ceiling AP, MikroTik Products, WAP

Price: 30,583 kr

When it comes to wireless network in the office, you can't afford to cut corners and risk inhibiting your team's performance. You need excellent coverage throughout the premises. You need a device that can handle a large number of clients. You need a reliable, flexible, cost-effective solution: the cAP ax!

Both open office and cubicle layouts usually encounter a variety of network issues: signal gets absorbed, reflected, it becomes unstable. Mirrors, tinted glass, TVs, metal file cabinets – all sorts of things can get in the way. Our solution is simple, effective, and elegant: let your access point rise above all the obstacles! In other words, a ceiling access point is a great way to prevent signal loss in large, crowded areas with many obstacles.

There is another benefit to this form-factor: cAP ax remains hidden in plain sight, attracting less unwanted attention than a smoke sensor. Your clients, guests, or colleagues won't even notice it. But they will definitely notice the blazing-fast wireless connection!

With the Generation6 802.11ax wireless standard, we're looking at up to 40% higher speed in the 5 GHz and up to 90% higher speed in the 2.4 GHz spectrum, if we compare it to the previous generations! But what's more important than speed is the stability. Our latest AX devices can withstand and navigate even the toughest wireless interference scenarios, offering the most stable and uninterrupted signal to date!

cAP ax features a modern quad-core CPU running at 1.8 GHz, NAND storage, and a gigabyte of RAM. Enough to harvest the full potential of the most powerful networking software on the market – RouterOS v7! Complex firewall rules, IPsec hardware encryption, Wireguard, BGP, advanced routing, or multiple remote work VPN tunnels – cAP ax can do it all!

Compared to the previous generation, cAP ax offers multiple enhanced authentication types: OWE, WPA3-PSK, WPA3- EAP, and 802.11r roaming.

cAP ax is also a great way to make your office network installation and maintenance so much easier, as it features PoE-in and PoE-out. That’s right – you can use cAP ax to power other devices, such as network switches, CCTV cameras, or even another cAP ax! And, speaking of easy office networks... Just a few clicks in our latest wifiwave2 CAPsMAN central management system - and you’re done setting up hundreds of cAP ax devices! You can use all sorts of MikroTik devices to run CAPsMAN effortlessly, for example - your main gateway.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	cAPGi-5HaxD2HaxD
Architecture	ARM 64bit
CPU	IPQ-6010
CPU core count	4
CPU nominal frequency	auto (864 - 1800) MHz
Switch chip model	IPQ-6010
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	1 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	574 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n/ax
Antenna gain dBi for 2.4 GHz	6
Wireless 2.4 GHz chip model	QCN-5022
Wireless 2.4 GHz generation	Wi-Fi 6
Wireless 5 GHz Max data rate	1200 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac/ax
Antenna gain dBi for 5 GHz	5.5
Wireless 5 GHz chip model	QCN-5052
Wireless 5 GHz generation	Wi-Fi 6
WiFi speed	AX1800

Ethernet

Details	
10/100/1000 Ethernet ports	2
Number of 1G Ethernet ports with PoE-out	1

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	18-57 V
Max power consumption	36 W
Max power consumption without attachments	11 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	18-57 V

PoE-out

Details	
PoE-out ports	Ether2
PoE out	Passive PoE up to 57V
Max out per port output (input 18-30 V)	600 mA
Max out per port output (input 30-57 V)	400 mA
Max total out (A)	600 mA
Total output current	0.4
Total output power	19.2

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	20

Other

Details	
CPU temperature monitor	Yes
Mode button	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	23	-100
11MBit/s	23	-94
6MBit/s	24	-96
54MBit/s	21	-80
MCS0	24	-96
MCS7	20	-75
MCS9	19	-70
MCS11	17	-67

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	24	-96
54MBit/s	21	-80
MCS0	24	-96

MCS7	20	-75
MCS9	19	-70
MCS11	17	-67

Included parts

• 48 V 0.95 A power adapter
• K-81 fastening set
• cAP ax ceiling bracket
• cAP ax ceiling mount
• Gigabit PoE injector

MikroTik hAP

SKU: RB951Ui-2nD
Type: simple
Categories: 802.11b, 802.11g, 802.11n, Home AP, MikroTik Products, Router, Router Board, WAP

Price: 10,534 kr

This small home access point is the perfect device for homes or small offices where all you need is a wireless AP and a few wired devices connected. Based on our popular RB951-2n, the new hAP is an improvement in many areas.

The device can be powered from the power jack or with passive PoE from a PoE injector. The power adapter is included.

hAP provides PoE output function for port #5 - it can power other PoE capable devices with the same voltage as applied
to the unit. Maximum load on the port is 500mA.

The hAP is preconfigured, so all you need to do, is plug in the internet cable, the power, and start using the internet by connecting to the MikroTik network.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB951Ui-2nD
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9531
Dimensions	113 x 89 x 28mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-30°C to 70°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	1.5
Wireless 2.4 GHz chip model	QCA9531
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	5

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	10-28 V
Max power consumption	5 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-28 V

PoE-out

Details	
PoE-out ports	Ether5
PoE out	Passive PoE
Max out per port output (input 18-30 V)	500 mA
Max total out (A)	500 mA

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP20

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

Included parts

• 24V 0.8A power adapter

MikroTik hAP ac²

SKU: RBD52G-5HacD2HnD-TC
Type: simple
Categories: 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, Home AP, MikroTik Products, Router, Router Board, WAP

Price: 18,690 kr

The hAP ac² is a Dual-concurrent Access Point, that provides Wifi coverage for 2.4 GHz and 5 GHz frequencies at the same time. Five 10/100/1000 Ethernet ports provide Gigabit connections for your wired devices, USB can be used for external storage or 4G/LTE modem, and device supports IPsec hardware acceleration.

New design universal case allows unit to be positioned either horizontally (desktop) or vertically (tower case). Wall anchored mounting kit is provided.

We have two versions available.

- hAP ac²-US (USA) is factory locked for 2412-2462MHz, 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- hAP ac² (International) supports 2412-2484MHz and 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBD52G-5HacD2HnD-TC
Architecture	ARM 32bit
CPU	IPQ-4018
CPU core count	4
CPU nominal frequency	488-896 (auto) MHz
Switch chip model	IPQ-4018
Dimensions	34 x 119 x 98mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 50°C
IPsec hardware acceleration	Yes

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2.5
Wireless 2.4 GHz chip model	IPQ-4018
Wireless 2.4 GHz generation	Wi-Fi 4
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	2.5
Wireless 5 GHz chip model	IPQ-4018
Wireless 5 GHz generation	Wi-Fi 5
WiFi speed	AC1200

Ethernet

Details	
10/100/1000 Ethernet ports	5

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-30 V
Max power consumption	21 W
Max power consumption without attachments	16 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	18-28 V

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP20

Other

Details	
Mode button	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	27	-100
11MBit/s	27	-94
6MBit/s	27	-96
54MBit/s	24	-78
MCS0	27	-96
MCS7	23	-73

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	26	-96
54MBit/s	22	-80
MCS0	26	-96
MCS7	21	-75
MCS9	19	-70

Included parts

• 24V 0.8A power adapter
• K-47 wall mount set
• hAP case base

MikroTik Chateau PRO ax

SKU: H53UiG-5HaxQ2HaxQ
Type: simple
Categories: 802.11a, 802.11ac, 802.11ax, 802.11b, 802.11g, 802.11n, Chateau Wireless, Home AP, MikroTik Products, Router, SOHO, WAP

Price: 47,233 kr

Designed with professional users in mind, the Chateau PRO ax Wi-Fi 6 home access point is engineered to squeeze out maximum performance, handling more traffic than ever before. With its unstoppable **quad-core ARM CPU running at 2.2 GHz** and our latest cutting-edge wireless chip, Chateau PRO ax leverages **4 spatial streams** to achieve double the data rate of the usual dual-chain devices, ensuring that your network is always fast, reliable, and ready to support even the most demanding tasks. Remember – you will need a device that supports **4 spatial streams** on the other side of the connection to fully utilize the Chateau PRO ax.

With **5x Gigabit Ethernet ports** and a **USB 3.0 port**, you can transform this Chateau into a home media server by plugging in an additional SSD storage. Or you could use the USB to add an LTE modem for backup!

Advanced container setups, bonding, or high-speed **4x4 MIMO** wireless setups – that's where the Chateau PRO ax can really shine! Also, its increased number of radio transceivers provides significantly improved

wireless coverage and beamforming performance.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	H53UiG-5HaxQ2HaxQ
Architecture	ARM 64bit
CPU	IPQ-8072A
CPU core count	4
CPU nominal frequency	2208 MHz
Switch chip model	IPQ-8072
RouterOS license	6
Operating System	RouterOS v7
Size of RAM	1 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	1148 Mbit/s
Wireless 2.4 GHz number of chains	4
Wireless 2.4 GHz standards	802.11b/g/n/ax
Antenna gain dBi for 2.4 GHz	5
Wireless 2.4 GHz chip model	QCN-5024
Wireless 2.4 GHz generation	Wi-Fi 6
Wireless 5 GHz Max data rate	2400 Mbit/s
Wireless 5 GHz number of chains	4
Wireless 5 GHz standards	802.11a/n/ac/ax
Antenna gain dBi for 5 GHz	6
Wireless 5 GHz chip model	QCN-5054
Wireless 5 GHz generation	Wi-Fi 6
WiFi speed	AX3600

Ethernet

Details	
10/100/1000 Ethernet ports	5
Number of 1G Ethernet ports with PoE-out	1

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB 3.0 type A
Max USB current (A)	1.5

Powering

Details	
Number of DC inputs	1 (DC jack)
DC jack input Voltage	18-57 V
Max power consumption	55 W
Max power consumption without attachments	18 W
Cooling type	Passive

PoE-out

Details	
PoE-out ports	Ether5
PoE out	Passive PoE up to 57V
Max out per port output (input 18-30 V)	600 mA
Max out per port output (input 30-57 V)	500 mA
Max total out (A)	0.600 A
Total output current	0.600
Total output power	22.8

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	20

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes

Included parts

• 48 V 1.35 A power adapter

MikroTik hAP ax²

SKU: C52iG-5HaxD2HaxD-TC
Type: simple
Categories: ! Featured Products !, 802.11a, 802.11ac, 802.11ax, 802.11b, 802.11g, 802.11n, Home AP, MikroTik Products, Router, SOHO, WAP

Price: 23,787 kr

Introduction

It's time to supercharge your home network with the **Generation 6 wireless** network and our latest addition to the beloved hAP series. hAP ax² has everything you might need in a primary home access point – and more! Forget endless reviews and comparisons – this is the perfect device for 99% of homes.

Wireless

Wireless signal is now stronger than ever. Here are the two main ingredients of hAP ax's success: a state-of-the-art dual-band, dual-chain 4-4.5 dBi radio, and the 802.11ax standard with Wave2 support. Let's compare it to the previous generation: depending on your overall setup, that means **up to 40% higher speed in the 5 GHz and up to 90% higher speed in the 2.4 GHz spectrum!**

Some might ask – why do we even need higher wireless speeds? Well, countless use cases have been previously impossible or difficult to pull off. For example, working with large media files over the wireless network – without the need to download and upload everything. Do you really have the time to wait? Grab a hAP ax² and save more time for the essential things in life!

Advanced

The modern quad-core CPU running at 864 MHz combined with a solid GB of RAM packs a hefty punch when it comes to heavy operations like **complex firewall rules, IPsec hardware encryption, using more threads or experimenting with the most advanced RouterOS features. And with the addition of WPA3 advanced encryption support, you're safer than ever before.**

Like the previous models, hAP ax² can be mounted vertically, horizontally, or even on the wall – without sacrificing the strong signal.

With so many products and features on the market, even an experienced user can become confused. So it's time for a **simple truth for a simple choice**: you can't go wrong with a hAP ax² in most homes.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	C52iG-5HaxD2HaxD-TC
Architecture	ARM 64bit
CPU	IPQ-6010
CPU core count	4
CPU nominal frequency	864 MHz
Switch chip model	IPQ-6010
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	1 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 50°C
IPsec hardware acceleration	Yes

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	574 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n/ax
Antenna gain dBi for 2.4 GHz	4
Wireless 2.4 GHz chip model	QCN-5022
Wireless 2.4 GHz generation	Wi-Fi 6
Wireless 5 GHz Max data rate	1200 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac/ax
Antenna gain dBi for 5 GHz	4.5
Wireless 5 GHz chip model	QCN-5052
Wireless 5 GHz generation	Wi-Fi 6
WiFi speed	AX1800

Ethernet

Details	
10/100/1000 Ethernet ports	5
Number of 1G Ethernet ports with PoE-out	1

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-28 V
Max power consumption	27 W
Max power consumption without attachments	12 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	18-28 V

PoE-out

Details	
PoE-out ports	Ether 1
PoE out	Passive PoE
Max out per port output (input 18-30 V)	600 mA
Max total out (A)	0.6 A
Total output current	0.6
Total output power	16.8W

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	20

Other

Details	
CPU temperature monitor	Yes
Mode button	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	27	-100
11MBit/s	27	-94
6MBit/s	27	-96
54MBit/s	25	-80
MCS0	27	-96
MCS7	24	-75
MCS9	22	-70
MCS11	20	-67

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	26	-96
54MBit/s	23	-80
MCS0	26	-96
MCS7	22	-75

MCS9	20	-70
MCS11	18	-67

Included parts

• hAP case base
• K-47 wall mount set
• 24V 1.2A power supply (straight plug)

MikroTik hAP ax³

SKU: C53UiG+5HPaxD2HPaxD
Type: simple
Categories: 802.11a, 802.11ac, 802.11ax, 802.11b, 802.11g, 802.11n, Home AP, MikroTik Products, Router, SOHO, WAP

Price: 33,641 kr

Ultimate power for your whole home

hAP ax³ is our most powerful AX device with the best wireless network coverage so far. It features a modern **quad-core ARM CPU** running at 1.8 GHz and enough memory (**1GB RAM + 128 MB NAND**) for most tasks. Complex firewall rules, IPsec hardware encryption, Wireguard, BGP, advanced routing, or multiple remote work VPN tunnels won't stop your family from comfortable browsing, streaming, gaming, and so on. There's enough processing power for everyone. And we've added a speedy **USB 3** port for all your storage purposes or an additional LTE modem.

AX wireless – as strong as an ox

Depending on your overall setup, our AX product family offers up to 40% higher speed in the 5 GHz and up to **90% higher speed** in the 2.4 GHz spectrum! Potent external antennas allow reaching gain up to 5.5 dBi, so you can forget about Wi-Fi Boosters and other tricks. **Smooth and fast connectivity for your whole apartment** – that's just how hAP ax³ works. Home network speeds are getting serious. There are **4x Gigabit Ethernet ports and an ultra-fast 2.5 Gigabit port.**

Safer in many ways

hAP ax³ can ease your mind on multiple levels simultaneously. **European-based production**, our famous Nordic work ethic, and cooperation with the EU lawmakers ensure full compliance with all the necessary safety policies. **Multiple power options** (DC Jack & PoE-in) result in fewer worries about potential downtime. The latest RouterOS v7 updates and the addition of **WPA3 advanced encryption** support bring unprecedented software security.

To sum things up - **hAP ax³ is among the fastest, safest, and most powerful choices in the home access point world.** Wired or wireless. And it comes with the most advanced networking software on the market – RouterOS. Unlike many other vendors, we don't limit what you can do. There are no paywalls or confusing subscriptions. All our devices share the same limitless operating system. **Imagination is the only limitation.**

Some might ask – why do we even need higher wireless speeds? Well, countless use cases have been previously impossible or difficult to pull off. For example, working with large media files over the wireless network – without the need to download and upload everything. Do you really have the time to wait? Grab a hAP ax³ and save more time for the essential things in life.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	C53UiG+5HPaxD2HPaxD
Architecture	ARM 64bit
CPU	IPQ-6010
CPU core count	4
CPU nominal frequency	auto (864 - 1800) MHz
Switch chip model	IPQ-6010
RouterOS license	6
Operating System	RouterOS v7
Size of RAM	1 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	574 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n/ax
Antenna gain dBi for 2.4 GHz	3.3
Wireless 2.4 GHz chip model	QCN-5022
Wireless 2.4 GHz generation	Wi-Fi 6
Wireless 5 GHz Max data rate	1200 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac/ax
Antenna gain dBi for 5 GHz	5.5
Wireless 5 GHz chip model	QCN-5052
Wireless 5 GHz generation	Wi-Fi 6
WiFi speed	AX1800

Ethernet

Details	
10/100/1000 Ethernet ports	4
Number of 1G Ethernet ports with PoE-out	1
Number of 2.5G Ethernet ports	1

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB 3.0 type A
Max USB current (A)	1.5

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-28 V
Max power consumption	38 W
Max power consumption without attachments	15 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	18-28 V

PoE-out

Details	
PoE-out ports	Ether 1
PoE out	Passive PoE
Max out per port output (input 18-30 V)	0.625 A
Max total out (A)	0.625 A
Total output current	0.625
Total output power	15

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	20

Other

Details	
CPU temperature monitor	Yes
Mode button	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	27	-100
11MBit/s	27	-94
6MBit/s	29	-96
54MBit/s	27	-80
MCS0	29	-96
MCS7	26	-75
MCS9	24	-70
MCS11	22	-67

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	28	-96
54MBit/s	26	-80
MCS0	28	-96
MCS7	25	-75
MCS9	23	-70
MCS11	20	-67

Included parts

• 24V 1.5A power adapter
• HGO indoor antenna kit
• K-47 wall mount set
• hAP case base

MikroTik hAP ac lite

SKU: RB952Ui-5ac2nD
Type: simple
Categories: 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, Home AP, MikroTik Products, Router, Router Board, SOHO, WAP

Price: 14,392 kr

The hAP ac lite is a Dual-concurrent Access Point, that provides WiFi coverage for 2.4GHz and 5GHz frequencies at the same time.

Unit is equipped with a 650MHz CPU, 64MB RAM, five 10/100Mbps Ethernet ports (PoE output on port #5), dual-chain 802.11b/g/n 2.4GHz wireless, single chain 802.11a/n/ac 5GHz wireless, USB port for 3G/4G modem and a RouterOS L4 license.

We have two versions available - RB952Ui-5ac2nD (International) and RB952Ui-5ac2nD-US (USA). RB952Ui-5ac2nD-US (USA) is factory locked for 2412-2462MHz, 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed. RB952Ui-5ac2nD (International) supports 2412-2484MHz and 5150MHz - 5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB952Ui-5ac2nD
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9531
Dimensions	113 x 89 x 28mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-30°C to 70°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	1.5
Wireless 2.4 GHz chip model	QCA9531
Wireless 2.4 GHz generation	Wi-Fi 4
Wireless 5 GHz Max data rate	433 Mbit/s
Wireless 5 GHz number of chains	1
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	2
Wireless 5 GHz chip model	QCA9887
Wireless 5 GHz generation	Wi-Fi 5
WiFi speed	AC750

Ethernet

Details	
10/100 Ethernet ports	5

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Powering the hAP ac lite

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	10-28 V
Max power consumption	20 W
Max power consumption without attachments	8 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-28 V

PoE-out

Details	
PoE-out ports	Ether5
PoE out	Passive PoE
Max out per port output (input 18-30 V)	500 mA
Max total out (A)	500 mA

Certification & Approvals for the hAP ac lite

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP20

Wireless specifications for the hAP ac lite

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	23	-93
54MBit/s	20	-75
MCS0	23	-93
MCS7	19	-71
MCS9	16	-63

Included parts

• 24V 1.2A power adapter

MikroTik wAP ax

SKU: wAPG-5HaxD2HaxD
Type: simple
Categories: 802.11a, 802.11ac, 802.11ax, 802.11n, MikroTik Products, SOHO, WAP

Price: 21,069 kr

wAP ax brings fast and reliable Wi-Fi 6 to your countryside getaway or any other challenging environments – like a rural gas station or a bus stop. wAP's legendary weatherproof form-factor has been tested for several generations all across the globe, and remains a favorite among MikroTik users for its simplicity and durability.

A mighty dual-band, dual-chain (**2x2 MIMO**) radio ensures fast and reliable wireless connection both indoors and outdoors.

Without a doubt – Wi-Fi 6 is much faster in both **2.4 GHz** spectrum (speed increase up to **90%**!) and **5 GHz** spectrum (up to **40%** faster!), but there's so much more to it. Wi-Fi 6 offers significantly improved energy efficiency and security. **OWE/WPA3-PSK/WPA3-EAP encryption** and management frame protection help prevent all sorts of attacks, like brute-forcing and Deauthentication Attacks.

And, if you have multiple wAP ax devices over a larger area, you'll enjoy the improved seamless fast transition roaming – your devices will switch to the strongest signal… seamlessly!

This compact access point is equipped with a modern dual-core **ARM CPU** and runs on **RouterOS v7**, ensuring stable internet and excellent VPN performance across your property. The wAP ax also supports our new **CAPsMAN** for easy centralized management of multiple devices with just a few clicks.

The device features two **Gigabit Ethernet ports**, with **PoE-in** on one for flexible powering options. You can also use the standard DC jack – because we believe in giving you options.

wAP ax is designed to blend into any environment. Its simple, elegant design doesn't attract any unwanted attention, making it perfect for busy public spaces or private properties alike. wAP can be securely fixed to

any external wall or roof from the inside of the case, and there is an opening at the back of the case for running the Ethernet cable directly through the wall, keeping the setup extra discreet and secure.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	wAPG-5HaxD2HaxD
Architecture	ARM
CPU	IPQ-5010
CPU core count	2
CPU nominal frequency	800 MHz
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	574 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n/ax
Antenna gain dBi for 2.4 GHz	7
Wireless 2.4 GHz chip model	IPQ-5010
Wireless 2.4 GHz generation	Wi-Fi 6
Wireless 5 GHz Max data rate	2400 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac/ax
Antenna gain dBi for 5 GHz	7
Wireless 5 GHz chip model	QCN-6102
Wireless 5 GHz generation	Wi-Fi 6
WiFi speed	AX3000

Ethernet

Details	
10/100/1000 Ethernet ports	2

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	9 W
Max power consumption without attachments	9 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	18-57 V

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	54

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

Included parts

• 24V 0.8A power adapter
• Gigabit PoE injector
• wAP desktop stand
• K-52 fastening set
• wAP ceiling mount bracket
• wAP mount
• Hose clamp 1
• Plastic zip tie

MikroTik hAP ac lite TC

SKU: RB952Ui-5ac2nD-TC
Type: simple
Categories: 802.11b, 802.11g, 802.11n, Home AP, MikroTik Products, Router, Router Board, SOHO, WAP

Price: 14,392 kr

The hAP ac lite is a Dual-concurrent Access Point, that provides WiFi coverage for 2.4GHz and 5GHz frequencies at the same time.

Unit is equipped with a 650MHz CPU, 64MB RAM, five 10/100Mbps Ethernet ports (PoE output on port #5), dual-chain 802.11b/g/n 2.4GHz wireless, single chain 802.11a/n/ac 5GHz wireless, USB port for 3G/4G modem and a RouterOS L4 license.

New design universal case allows unit to be positioned either horizontally (desktop) or vertically (tower case). Wall anchored mounting kit is provided.

We have two versions available - RB952Ui-5ac2nD-TC (International) and RB952Ui-5ac2nD-TC-US (USA). RB952Ui-5ac2nD-TC-US (USA) is factory locked for 2412-2462MHz, 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed. RB952Ui-5ac2nD-TC (International) supports 2412-2484MHz and 5150MHz - 5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB952Ui-5ac2nD-TC
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9531
Dimensions	34 x 119 x 98mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-30°C to 70°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	1.5
Wireless 2.4 GHz chip model	QCA9531
Wireless 2.4 GHz generation	Wi-Fi 4
Wireless 5 GHz Max data rate	433 Mbit/s
Wireless 5 GHz number of chains	1
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	2
Wireless 5 GHz chip model	QCA9887
Wireless 5 GHz generation	Wi-Fi 5
WiFi speed	AC750

Ethernet

Details	
10/100 Ethernet ports	5

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	10-28 V
Max power consumption	20 W
Max power consumption without attachments	8 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-28 V

PoE-out

Details	
PoE-out ports	Ether5
PoE out	Passive PoE
Max out per port output (input 18-30 V)	500 mA
Max total out (A)	500 mA

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP20

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	23	-93
54MBit/s	20	-75
MCS0	23	-93
MCS7	19	-71
MCS9	16	-63

Included parts

• 24V 1.2A power adapter
• K-47 wall mount set

MikroTik hAP lite

SKU: RB941-2nD
Type: simple
Categories: ! Featured Products !, 802.11b, 802.11g, 802.11n, Home AP, MikroTik Products, Router, Router Board, SOHO, WAP

Price: 5,861 kr

The Home Access Point Lite (hAP Lite) is an ideal little device for your apartment, house, or office. It is MikroTik's lowest-priced Wi-Fi router; as such, the specs match the price. For example, it has only fast Ethernet ports (100 Mbps) and a dual-chain 2.4 GHz Wi-Fi 4, with a max throughput of 54 Mbps.

For the average home that isn't doing anything special and has no special requirements beyond a simple streaming service and web surfing, this device will serve them perfectly. If throughput is a concern, check out some of the higher-end hAP devices at the bottom of the page under "You may also like…"

It supports button-triggered WPS for convenience when someone wants wireless internet access, and can also be set to change to cAP mode and join a centrally managed CAPsMAN network with the push of a button.

Of course, the device runs RouterOS with all the features, including bandwidth shaping, firewall, user access control, and more.

The hAP lite is equipped with a powerful 650 MHz CPU, 32 MB of RAM, dual-chain 2.4 GHz onboard wireless, four Fast Ethernet ports, and a RouterOS L4 license. USB power supply is included.

The device has an operating system preinstalled and licensed. No separate purchase is necessary, and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB941-2nD
Architecture	SMIPS
CPU	QCA9533
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9533-BL3A
RouterOS license	4
Operating System	RouterOS
Size of RAM	32 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-20°C to 60°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	1.5
Wireless 2.4 GHz chip model	QCA9533
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	4

Powering

Details	
MicroUSB input Voltage	5 V
Number of DC inputs	1 (MicroUSB)
Max power consumption	3.5 W
Cooling type	Passive

Certification & Approvals

Details	
Certification	FCC, IC

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

Included parts

• 5V 1A power adapter

MikroTik cAP

SKU: RBcAP2nD
Type: simple
Categories: 802.11b, 802.11g, 802.11n, Ceiling AP, MikroTik Products, Router Board, WAP

Price: 11,893 kr

RouterBOARD cAP-2nD (ceiling Access Point) is our first 2.4GHz Dual-Chain ceiling AP. Inconspicuously designed, it blends
into the environment, perfect for hospitality business like hotels, airports, shopping malls etc.

cAP-2nD supports 802.11b/g/n and can be powered by PoE. It's a perfect companion for
the MikroTik CAPsMAN (controlled AP system manager), allowing you to control all your
AP devices from one central location.

Unlike traditional controller software, which requires a separate PC/Mac to run, our
CAPsMAN runs on any existing RouterBOARD device in your network. No need for a separate controller machine.

Everything is included to get you started, wall/ceiling mount, PoE injector, power adapter and even the screws and screw anchors.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBcAP2nD
Architecture	MIPSBE
CPU	QCA9533
CPU core count	1
CPU nominal frequency	650 MHz
Dimensions	185mm diameter, 31mm height
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2
Wireless 2.4 GHz chip model	QCA9533
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	1

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	4 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	11-57 V

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP20

Other

Details	
Mode button	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

Included parts

- PoE injector
- K-46 screw kit
- Ceiling mount
- 24V 0.2A power adapter

MikroTik hAP ac

SKU: RB962UiGS-5HacT2HnT
Type: simple
Categories: 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, Home AP, MikroTik Products, Router, Router Board, WAP

Price: 30,583 kr

The hAP ac is our most universal home or office wireless device. It is a dual band device with Gigabit ports that allow the full advantages of 802.11ac technology speed, while maintaining compatibility with legacy devices in 2GHz 802.11 b/g/n and 5GHz a/n modes.

The omnidirectional antennas allow to mount the hAP ac in any location, and the high power transmitter will ensure good coverage for the mobile devices in your home, office or public location.

Other helpful features include a USB port for attaching extra storage or a 3G/4G modem, PoE output on the last Ethernet port, to power other RouterBOARD devices without needing an extra power adapter and an SFP cage, for connecting active or passive optical network modules.

We have two versions available.

- RB962UiGS-5HacT2HnT-US (USA) is factory locked for 2412-2462MHz, 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- RB962UiGS-5HacT2HnT (International) supports 2412-2484MHz and 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB962UiGS-5HacT2HnT
Architecture	MIPSBE
CPU	QCA9558
CPU core count	1
CPU nominal frequency	720 MHz
Switch chip model	QCA8337
Dimensions	114 x 137 x 29mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	450 Mbit/s
Wireless 2.4 GHz number of chains	3
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2.5
Wireless 2.4 GHz chip model	QCA9558
Wireless 2.4 GHz generation	Wi-Fi 4
Wireless 5 GHz Max data rate	1300 Mbit/s
Wireless 5 GHz number of chains	3
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	2
Wireless 5 GHz chip model	QCA9880
Wireless 5 GHz generation	Wi-Fi 5
WiFi speed	AC1750

Ethernet

Details	
10/100/1000 Ethernet ports	5

Fiber

Details	
SFP ports	1

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	11-57 V
Max power consumption	17 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	11-57 V

PoE-out

Details	
PoE-out ports	Ether5
PoE out	Passive PoE
Max out per port output (input 18-30 V)	700 mA
Max out per port output (input 30-57 V)	350 mA
Max total out (A)	700 mA

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP20

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	29	-100
11MBit/s	29	-94
6MBit/s	29	-96
54MBit/s	26	-81
MCS0	29	-96
MCS7	25	-77

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	28	-96
54MBit/s	25	-81
MCS0	28	-96
MCS7	24	-77
MCS9	21	-72

Included parts

• 24V 1.2A power adapter

MikroTik cAP ac

SKU: RBcAPGi-5acD2nD
Type: simple
Categories: 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, Ceiling AP, MikroTik Products, Router Board, WAP

Price: 20,048 kr

The cAP ac is a very capable and powerful wireless access point that looks beautiful on both walls and ceilings. The concurrent dual band wireless radio supports dual chain 2 GHz 802.11b/g/n and 5 GHz in a/n/■■ standards, and will provide coverage in 360 degrees around it.

Even though the radio supports repeater mode, the two Ethernet ports give you the ability to extend your network with cables, even if PoE power is required, since the cAP ac supports 802.3af/at PoE input on the first port, and passive PoE output on the second port. Device supports IPsec hardware acceleration too.

- cAP ac-US (USA) is factory locked for 2412-2462MHz, 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBcAPGi-5acD2nD
Architecture	ARM 32bit
CPU	IPQ-4018
CPU core count	4
CPU nominal frequency	488-896 (auto) MHz
Switch chip model	IPQ-4018
Dimensions	Round case: ■ 136 mm, height: 30 mm; Square case: 145 mm x 145 mm x 30 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 50°C
IPsec hardware acceleration	Yes

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	2
Wireless 2.4 GHz chip model	IPQ-4018
Wireless 2.4 GHz generation	Wi-Fi 4
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	2.5
Wireless 5 GHz chip model	IPQ-4018
Wireless 5 GHz generation	Wi-Fi 5
WiFi speed	AC1200

Ethernet

Details	
10/100/1000 Ethernet ports	2

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	24 W
Max power consumption without attachments	12 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	17-57 V

PoE-out

Details	
PoE-out ports	Ether2
PoE out	Passive PoE up to 57V
Max out per port output (input 18-30 V)	500 mA
Max out per port output (input 30-57 V)	400 mA
Max total out (A)	500 mA

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	20

Other

Details	
Mode button	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	26	-100
11MBit/s	26	-94
6MBit/s	26	-96
54MBit/s	23	-78
MCS0	26	-96
MCS7	22	-73

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	26	-96
54MBit/s	21	-80
MCS0	26	-96
MCS7	20	-75
MCS9	18	-70

Included parts

• 24V 1.2A power adapter
• Ceiling mount
• Gigabit PoE injector
• K-46 screw kit

MikroTik mAP

SKU: RBmAP2nD
Type: simple
Categories: 802.11b, 802.11g, 802.11n, Home AP, MikroTik Products, Router, Router Board, WAP

Price: 10,704 kr

The mAP (micro Access Point) is a tiny size wireless Dual-Chain 2.4GHz Access Point with full RouterOS capabilities. It is very portable, since it accepts power from a wide variety of sources - USB, Passive PoE and power jack. It also works as a PoE injector - the second Ethernet port provides up to 500mA of power to another device, for example, you can connect a SXT CPE device to it.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBmAP2nD
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9531-BL3A-R
Dimensions	68x68x19mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-20°C to 70°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	1.2
Wireless 2.4 GHz chip model	QCA9531
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	2

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	microUSB type AB
Max USB current (A)	1

Powering

Details	
MicroUSB input Voltage	5 V
Number of DC inputs	3 (DC jack, PoE-IN, MicroUSB)
DC jack input Voltage	8-57 V
Max power consumption	5 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

PoE-out

Details	
PoE-out ports	Ether2
PoE out	Passive PoE
Max out per port output (input 18-30 V)	0.5 A
Max total out (A)	0.5 A

Certification & Approvals

Details	
Certification	FCC, IC

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

Included parts

• Mounting kit (K-33)
• 24V 0.8A power adapter
• USB OTG cable

MikroTik hAP lite TC

SKU: RB941-2nD-TC
Type: simple
Categories: 802.11b, 802.11g, 802.11n, Home AP, MikroTik Products, Router, Router Board, SOHO, WAP

Price: 5,861 kr

The home Access Point lite (hAP lite) is an ideal little device for your apartment, house or office.

It supports button triggered WPS, for the convenience of not typing a complicated password when somebody wants to have wireless internet access, and can also be told to change to cAP mode and join a CAPsMAN centrally managed network by the push of a button.

Of course, the device runs RouterOS with all the features, bandwidth shaping, firewall, user access control and many others.

The hAP lite is equipped with a powerful 650MHz CPU, 32MB RAM, dual chain 2.4GHz onboard wireless, four Fast Ethernet ports and a RouterOS L4 license. USB power supply is included.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB941-2nD-TC
Architecture	SMIPS
CPU	QCA9533
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9533-BL3A
RouterOS license	4
Operating System	RouterOS
Size of RAM	32 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-20°C to 70°C

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	1.5
Wireless 2.4 GHz chip model	QCA9533
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	4

Powering

Details	
MicroUSB input Voltage	5 V
Number of DC inputs	1 (MicroUSB)
Max power consumption	3.5 W
Cooling type	Passive

Certification & Approvals

Details	
Certification	FCC, IC

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	22	-96
11MBit/s	22	-89
6MBit/s	20	-93
54MBit/s	18	-74
MCS0	20	-93
MCS7	16	-71

Included parts

• 5V 1A power adapter

MikroTik hAP ax lite LTE6

SKU: L41G-2axD&FG621-EA;
Type: simple
Categories: 802.11ax, 802.11b, 802.11g, 802.11n, Home AP, LTE, MikroTik Products, Router, SOHO, WAP

Price: 23,787 kr

Introducing hAP ax lite LTE6

Our hAP lite devices have always been about value. The new hAP ax lite LTE6 is no exception – the addition of a **built-in LTE modem** allows you to cut costs instead of corners like never before!

There are **four Gigabit Ethernet ports**. Combined with a speedy **dual-core ARM CPU and 256 MB of RAM**, you've got a solid SOHO router. With mobile connectivity.

But the value train doesn't stop here. **As a bonus, we've added 2.4 GHz Wi-Fi 6 (802.11ax) wireless and a strong 4.3 dBi dual-chain antenna.** It might not be the main feature here, but don't underestimate it: our latest wireless chips allow you to squeeze the traditional 2.4 GHz wireless spectrum like a lemon! Depending on your overall setup, you can expect an increase in speed of up to 90%!

The freedom of LTE

Cable networks can no longer limit you. Mobile internet is there for you – wherever you choose to go. And it will never slow you down! You can reach consistent speeds of up to **300 Mbps with carrier aggregation**, as the built-in CAT6 modem allows devices to **use multiple bands simultaneously**.

That is a huge advantage in areas with many LTE users. hAP ax lite LTE6 provides better responsiveness in a crowded environment and higher efficiency for weaker signal situations in the countryside. Depending on the service provider, we have seen Internet speed doubling in rural areas after switching to carrier aggregation!

And don't let the price fool you. hAP ax lite LTE6 is the real deal. It comes with all the extensive features of RouterOS 7. Our team takes pride in giving you the freedom to push our devices to the limit. Secure VPN tunneling, bandwidth shaping, firewall, user access control – you make the rules here. It's your life. Your network. And your opportunity to start saving money like never before!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	L41G-2axD&FG621-EA;
Architecture	ARM
CPU	IPQ-5010
CPU core count	2
CPU nominal frequency	800 MHz
Switch chip model	MT7531BE
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	0°C to 60°C

Wireless capabilities of the hAP ax lite LTE6

Details	
Wireless 2.4 GHz Max data rate	574 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n/ax
Antenna gain dBi for 2.4 GHz	4.3
Wireless 2.4 GHz chip model	IPQ-5010
Wireless 2.4 GHz generation	Wi-Fi 6
WiFi speed	AX600

Mobile

Details	
3G Category	R8 (42.2Mbps Downlink, 11.2Mbps Uplink)
3G bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)
LTE Category	6 (300Mbit/s Downlink, 50Mbit/s Uplink)
LTE FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 28 (700MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)
TAC	86335904

Ethernet

Details	
10/100/1000 Ethernet ports	4

Peripherals

Details	
Number of SIM slots	1 Modem (Micro SIM)

Powering

Details	
Number of DC inputs	1 (USB-C)
Supported Voltage	5 V
Max power consumption	12 W
Max power consumption without attachments	12 W
Cooling type	Passive

Certification & Approvals for the hAP ax lite LTE6

Details	
Certification	CE, EAC, ROHS
IP	20

Other

Details	
Mode button	Yes

Included parts

• 5V 2.4A 12W USB power adapter

MikroTik hAP ac³

SKU: RBD53iG-5HacD2HnD
Type: simple
Categories: 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, Home AP, MikroTik Products, Router, Router Board, SOHO, WAP

Price: 26,166 kr

Forget about endless searching for the perfect router and scrolling through an eternity of reviews and specifications! We have created a single affordable home access point that has all the features you might need for years to come.

Is your old router struggling to reach every corner of your home? Well, forget about that! We have included external high gain wireless antennas with outstanding coverage. Only strong and stable wireless connection in every room from now on! Also, you can use the built-in RP-SMA female connectors to supercharge the coverage even further by adding an external antenna of your choice.

With 5 Gigabit Ethernet ports, 256 MB of RAM and quad-core CPU, hAP ac³ can satisfy even the biggest and most demanding households. With PoE support, it can power or be powered by other devices. There is a 128 MB NAND and a full-size USB port that you can use to add extra storage. The new enclosure allows mounting the device vertically or horizontally. A wall mount set is also included.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBD53iG-5HacD2HnD
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	448-896 (auto) MHz
Switch chip model	IPQ-4019
Dimensions	251 x 129 x 39 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	256 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Wireless capabilities

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	3
Wireless 2.4 GHz chip model	IPQ-4019
Wireless 2.4 GHz generation	Wi-Fi 4
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	5.5
Wireless 5 GHz chip model	IPQ-4019
Wireless 5 GHz generation	Wi-Fi 5
WiFi speed	AC1200

Ethernet

Details	
10/100/1000 Ethernet ports	5
Number of 1G Ethernet ports with PoE-out	1

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-28 V
Max power consumption	30 W
Max power consumption without attachments	12 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	18-28 V

PoE-out

Details	
PoE-out ports	Ether5
PoE out	Passive PoE
Max out per port output (input 18-30 V)	0.5 A
Max total out (A)	0.5 A

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP20

Other

Details	
Mode button	Yes

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	25	-100
11MBit/s	25	-94
6MBit/s	26	-96
54MBit/s	23	-78
MCS0	26	-96
MCS7	22	-73

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	26	-96
54MBit/s	22	-80
MCS0	26	-96
MCS7	21	-75
MCS9	19	-70

Included parts

• 24V 1.5A power adapter
• Base leg
• K-47 wall mount set
• HGO indoor antenna kit

MikroTik RB4011iGS+5HacQ2HnD-IN

SKU: RB4011iGS+5HacQ2HnD-IN
Type: simple
Categories: 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, MikroTik Products, Router, Router Board, WAP

Price: 66,943 kr

RB4011 series - amazingly powerful routers with ten Gigabit ports, SFP+ 10Gbps interface and IPsec hardware acceleration for a great price!

The RB4011 uses a quad core Cortex A15 CPU, same as in our carrier grade RB1100AHx4 unit. The unit is equipped with 1GB of RAM, can provide PoE output on port #10 and comes with a compact and professional looking solid metal enclosure in matte black.

RB4011iGS+5HacQ2HnD-IN (WiFi model) is dual band, four chain unit with a supported data rate of up to 1733 Mbps in 5GHz. For legacy devices, the unit also has a dual chain 2GHz wireless card installed in miniPCI-e slot.

We have two versions available.

RB4011iGS+5HacQ2HnD-IN-US (USA) is factory locked for 2412-2462MHz, 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

RB4011iGS+5HacQ2HnD-IN (International) supports 2412-2484MHz and 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB4011iGS+5HacQ2HnD-IN
Architecture	ARM 32bit
CPU	AL21400
CPU core count	4
CPU nominal frequency	auto (533 - 1900) MHz
Switch chip model	RTL8367SB
Dimensions	228 x 120 x 30 mm
RouterOS license	5
Operating System	RouterOS v7
Size of RAM	1 GB
Storage size	512 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 45°C
IPsec hardware acceleration	Yes

Wireless capabilities

Details	
Wireless 5 GHz Max data rate	1733 Mbit/s
Wireless 5 GHz number of chains	4
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	3
Wireless 5 GHz chip model	QCA9984
Wireless 5 GHz generation	Wi-Fi 5
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	3
Wireless 2.4 GHz chip model	R11e-2HnD
Wireless 2.4 GHz generation	Wi-Fi 4
WiFi speed	AC2000

Ethernet

Details	
10/100/1000 Ethernet ports	10

Fiber

Details	
SFP+ ports	1

Peripherals

Details	
MiniPCI-e slots	1
Serial console port	RJ45

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	44 W
Max power consumption without attachments	23 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	18-57 V

PoE-out

Details	
PoE-out ports	Ether10
PoE out	Passive PoE up to 57V
Max out per port output (input 18-30 V)	600 mA
Max out per port output (input 30-57 V)	420 mA
Max total out (A)	600 mA

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP20

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	33	-96
54MBit/s	29	-81
MCS0	33	-96
MCS7	28	-77
MCS9	26	-72

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	28	-100
11MBit/s	28	-94
6MBit/s	29	-96
54MBit/s	25	-80
MCS0	26	-96
MCS7	24	-79

Included parts

• 24V 2.5A power adapter
• IEC cord
• K-59 kit

MikroTik SXT SA5 ac

SKU: RBSXTG-5HPacD-SA
Type: simple
Categories: 802.11a, 802.11ac, 802.11n, MikroTik Products, Router Board, WAP

Price: 28,204 kr

The new AC standard is here, with up to 866Mbit over the air datarate, 256-QAM modulation, and 80MHz channels. 802.11a/n/ac opens up new possibilities and speeds never possible before.

The SXT ac is a new member in our 802.11ac product lineup, currently two models are available — with regular 28 degree antenna, and the SA model with a 90 wide beam - width sector antenna. Also support 802.11a/n standard, Nstreme and Nv2 protocols and are compatible with all legacy RouterBOARD devices. Both devices come with Gigabit Ethernet.

New products are backwards compatible - for example, you can replace your 5GHz 802.11a/n legacy Access Point with new 802.11ac product and your existing customers will still be able to connect to it.

SXT install guide:

- RBSXTG-5HPacD-SAr2-US (USA) is factory locked for 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- RBSXTG-5HPacD-SAr2 (International) supports 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBSXTG-5HPacD-SA
Architecture	MIPSBE
CPU	QCA9557
CPU core count	1
CPU nominal frequency	720 MHz
RouterOS license	4
Operating System	RouterOS
Size of RAM	128 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Supported Voltage	15-60V
Max power consumption	12 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	14
Wireless 5 GHz chip model	QCA9892
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	1

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP54

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	31	-96
54MBit/s	28	-81
MCS0	30	-96
MCS7	27	-77
MCS9	22	-72

Included parts

• 24V 0.8A power adapter
• Metal ring (one)

• Pole mounting bracket
• Gigabit PoE injector

MikroTik SXTsq 5 ac

SKU: RBSXTsqG-5acD
Type: simple
Categories: MikroTik Products, Outdoor, Router Board, WAP

Price: 15,291 kr

The SXTsq 5 ac is a compact and lightweight outdoor 5Ghz 802.11ac wireless device with an integrated antenna, perfect for point-to-point links or as a CPE unit. The device includes one 10/100/1000 Mbit Ethernet port to fully utilize speeds that 802.11ac protocol provides.

The SXTsq 5 ac retains a 16 dBi antenna like the SXT 5 ac, our previous model, yet the antenna design has been improved and the physical size has been dramatically reduced - the SXTsq is two times thinner.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBSXTsqG-5acD
Architecture	ARM 32bit
CPU	IPQ-4018
CPU core count	4
CPU nominal frequency	488-896 (auto) MHz
Dimensions	129 x 129 x 34 mm
RouterOS license	3
Operating System	RouterOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	7 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-28 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	16
Wireless 5 GHz chip model	IPQ-4018
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	1

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP54

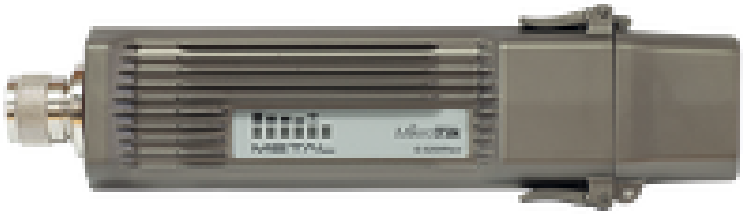
Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	25	-96
54MBit/s	21	-80
MCS0	25	-96
MCS7	20	-75
MCS9	18	-70

Included parts

• 24V 0.38A power adapter
• Metal ring (one)
• Gigabit PoE injector

MikroTik Metal 52 ac



SKU: RBMetalG-52SHPacn
Type: simple
Categories: 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, MikroTik Products, Router Board, WAP

Price: 28,204 kr

Now with 802.11ac support, a Gigabit Ethernet port and a selectable wireless band (2.4GHz or 5GHz, up to 80 MHz wide channel). The new Gigabit port will help you utilize the full benefit of 802.11ac high speed wireless.

The Metal 52 ac supports 2.4GHz, 5GHz and all the legacy wireless modes as well (802.11 b/g/n for 2.4GHz and 802.11 a/n/ac for 5GHz).

We have two versions available.

- RBMetalG-52SHPacn-US (USA) is factory locked for 2412-2462MHz, 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- RBMetalG-52SHPacn (International) supports 2412-2484MHz and 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBMetalG-52SHPacn
Architecture	MIPSBE
CPU	QCA9556
CPU core count	1
CPU nominal frequency	720 MHz
Dimensions	215x60x38mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	11 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-30 V

Wireless specifications

Details	
Wireless 2.4 GHz/5 GHz Max data rate	433 Mbit/s
Wireless 2.4 GHz/5 GHz number of chains	1
Wireless 2.4 GHz/5 GHz standards	802.11a/n/ac, 802.11b/g/n
Antenna gain dBi for 2.4 GHz/5 GHz	6
Wireless 2.4 GHz/5 GHz chip model	QCA9889
Wireless 2.4 GHz/5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP55

Wireless specifications

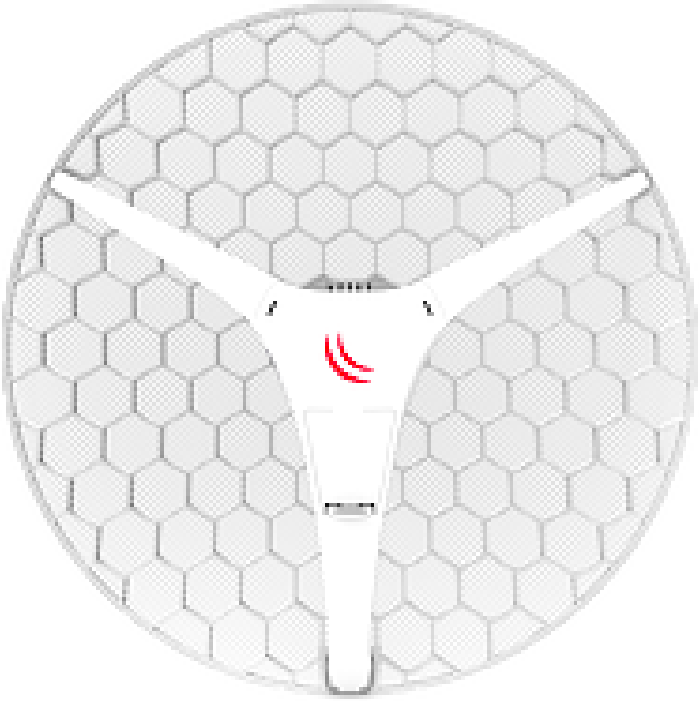
5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	31	-93
54MBit/s	27	-78
MCS0	30	-93
MCS7	26	-74
MCS9	22	-69
2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	31	-97
11MBit/s	31	-91
6MBit/s	31	-93
54MBit/s	28	-77
MCS0	31	-93
MCS7	27	-72

Included parts

• 24V 0.8A power adapter
• Angled N connector
• Metal rings (two)
• 6dBi / 8dBi omni antenna

• Gigabit PoE injector

MikroTik LHG XL 5 ac



SKU: RBLHGG-5acD-XL
Type: simple
Categories: 802.11a, 802.11ac, 802.11n, MikroTik Products, Router Board, WAP

Price: 27,865 kr

The LHG XL 5 ac is Long Range 5GHz 802.11ac wireless device with an integrated dual polarization 27 dBi grid antenna at a revolutionary price. It is perfect for point to point links or for use as a CPE at longer distances and supports Nv2 TDMA protocol.

The device includes one 10/100/1000 Mbit Ethernet port to fully utilize speeds that 802.11ac protocol provides.

- LHG XL 5 ac-US (USA) is factory locked for 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- LHG XL 5 ac (International) supports 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

Shipped as a kit of 4 units (RBLHGG-5acD-XL4pack) - 4 antennas in a single box.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBLHGG-5acD-XL
Architecture	ARM 32bit
CPU	IPQ-4018
CPU core count	4
CPU nominal frequency	488-896 (auto) MHz
Dimensions	Ø 550 x 245 mm;
RouterOS license	3
Operating System	RouterOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	8 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-30 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	27
Wireless 5 GHz chip model	IPQ-4018
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	1

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP54

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	25	-96
54MBit/s	21	-80
MCS0	25	-96
MCS7	20	-75
MCS9	18	-70

Included parts

• 24V 0.38A power adapter
• Metal rings (two)
• Gigabit PoE injector
• K-LHG kit

MikroTik BaseBox 5

SKU: RB912UAG-5HPnD-OUT
Type: simple
Categories: 802.11a, 802.11n, MikroTik Products, Outdoor, Router Board, WAP

Price: 21,069 kr

The RB912 in an outdoor enclosure, fit with two RP-SMA Female connectors for antennas, and a cable hood for protection against moisture. Also available are three additional places for antenna connectors, in case you wish to use the RB912 miniPCIe slot for one more wireless interface to make a dual band device.

The case can be opened with one hand, and is protected against the elements. USB, Ethernet and a Grounding wire exits are provided on the bottom, behind a protective door.

Comes with a mounting loop for tower/pole mounting, and a separate DIN rail mount is also provided. Package also includes a PoE injector

and power supply unit.

Box contains: RB912 outdoor unit, PSU, PoE injector, mounting loop, DIN rail mount

- RB912UAG-5HPnD-OUT-US (USA) is factory locked for 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- RB912UAG-5HPnD-OUT (International) supports 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB912UAG-5HPnD-OUT
Architecture	MIPSBE
CPU	AR9342
CPU core count	1
CPU nominal frequency	600 MHz
Dimensions	246x135x50mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	12 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	8-30 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	300 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n
Wireless 5 GHz chip model	AR9342
Wireless 5 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100/1000 Ethernet ports	1

Peripherals

Details	
Number of SIM slots	1 Modem (Mini SIM)
MiniPCI-e slots	1
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	30	-96
54MBit/s	27	-78
MCS0	30	-96
MCS7	26	-75

Included parts

• 24V 0.8A power adapter
• Gigabit PoE injector

• DIN mount (K-27)
• Metal ring (one)
• Fastening set K-25 for 1/2 Mini PCI express card

MikroTik NetMetal ax

SKU: L23UGSR-5HaxD2HaxD-NM
Type: simple
Categories: 802.11ax, 802.11b, 802.11g, 802.11n, MikroTik Products, Outdoor, WAP

Price: 40,097 kr

Meet one of your most versatile companions: the NetMetal ax – a powerful long-range outdoor access point that thrives in any environment. Designed for extra durability, it can be installed almost anywhere with ease – you can open and close the case with one hand. The rated IP66 protection will keep the device safe from dust and powerful water jets - in damp attics and elevator shafts, bustling docks, or coastal tower structures. No terrain is too rough for the NetMetal ax – the Mars rover of networking!

It features a modern dual-core ARM CPU, Gigabit Ethernet and 2.5 Gigabit SFP for fiber connectivity, a USB port, and a free miniPCIe slot that allows further customization. You could, for example, add an LTE modem for a mobile internet backup – we've added a NanoSIM slot on the NetMetal! But there are other options, like adding a gateway for LoRa IoT setups, such as our R11e-LR8!

A powerful dual-band, dual-chain Wi-Fi 6 radio offers increased speed, stability, security, roaming, power management, and other features, compared to the previous wireless protocols. Two RP-SMA Female connectors allow adding an antenna of your choice for distances up to 30 kilometers.*. If necessary, you can adapt the NetMetal ax for lower range use with such antennas as our HGO-antenna-OUT screw-on omni antenna unit. It provides 3.3 dBi gain for the 2.4 GHz band and 5.5-7.1 dBi gain for the 5 GHz band.

If you've read this far, here's a little bonus feature: we've kept the good old beeper for various alarms or creative outputs.

*It's important to note that while longer links are feasible, their reliability may vary. Additionally, the distance achievable greatly depends on the antenna selected for use.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	L23UGSR-5HaxD2HaxD-NM
Architecture	ARM
CPU	IPQ-5010
CPU core count	2
CPU nominal frequency	800 MHz
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-28 V
Max power consumption	25 W
Max power consumption without attachments	12 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	18-28 V

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	574 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n/ax
Wireless 2.4 GHz chip model	IPQ-5010
Wireless 2.4 GHz generation	Wi-Fi 6
Wireless 5 GHz Max data rate	2400 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac/ax
Wireless 5 GHz chip model	QCN-6102
Wireless 5 GHz generation	Wi-Fi 6

Ethernet

Details	
10/100/1000 Ethernet ports	1

Fiber

Details	
SFP ports	1 (2.5G supported)

Peripherals

Details	
Number of SIM slots	1 Modem (Nano SIM)
MiniPCI-e slots	1
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1.5

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	66

Wireless specifications

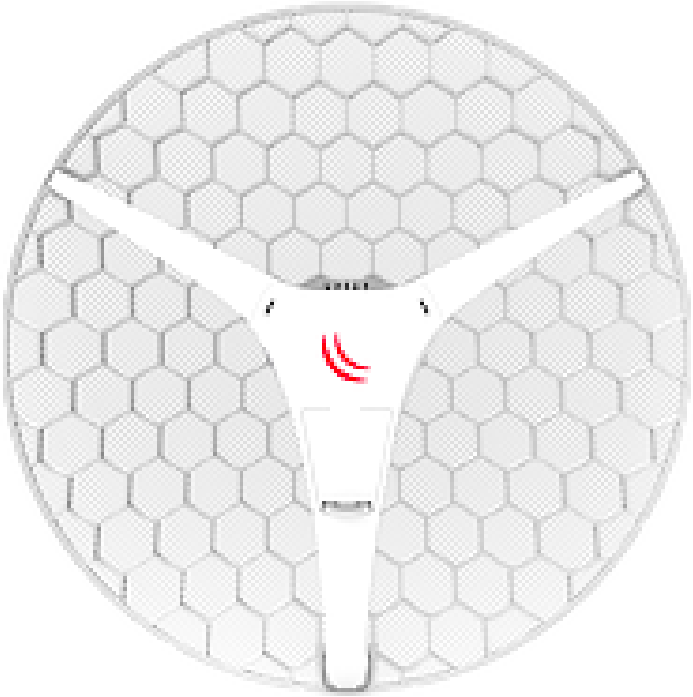
2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	27	-100
11MBit/s	27	-94
6MBit/s	29	-96
54MBit/s	27	-80
MCS0	29	-96
MCS7	26	-75
MCS9	24	-70
MCS11	22	-67

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	28	-96
54MBit/s	26	-80
MCS0	28	-96
MCS7	25	-75
MCS9	23	-70
MCS11	20	-67

Included parts

• 24V 1.2A power adapter
• Gigabit PoE injector
• Metal ring (one)
• DIN mount (K-27)

MikroTik LHG XL HP5 4 pack



SKU: RBLHG-5HPnD-XL4pack
Type: simple
Categories: 802.11a, 802.11n, MikroTik Products, Router Board, WAP

Price: 93,788 kr

The LHG XL HP5 is a 5GHz 802.11 a/n wireless device with an integrated dual polarization 27 dBi grid antenna and high TX output power, designed to reach up to 40km in point-to-point setups at full speed.

The grid design ensures protection against wind, and the fact that the antenna element is built into the wireless unit means no loss on cables.

Shipped as a kit of 4 units (RBLHG-5HPnD-XL4pack) - 4 antennas in a single box

We have two versions available.

LHG XL HP5-US (USA) is factory locked for 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

LHG XL HP5 (International) supports 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBLHG-5HPnD-XL
Architecture	MIPSBE
CPU	AR9344
CPU core count	1
CPU nominal frequency	600 MHz
Dimensions	Ø 550 x 245 mm;
RouterOS license	3
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	7 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-28 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	300 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n
Antenna gain dBi for 5 GHz	27
Wireless 5 GHz chip model	AR9344
Wireless 5 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	1

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP54

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	28	-96
54MBit/s	25	-80
MCS0	28	-96
MCS7	24	-75

Included parts

• 24V 0.38A power adapter
• Metal rings (two)
• PoE injector
• K-LHG kit

MikroTik SXTsq Lite5

SKU: RBSXTsq5nD
Type: simple
Categories: 802.11a, 802.11n, MikroTik Products, Outdoor, Router Board, WAP

Price: 10,875 kr

The SXTsq Lite5 is a compact and lightweight outdoor wireless device with an integrated antenna. Perfect for point to point links of up to 12 kilometers or as a CPE unit. It is compact, weatherproof and easy to mount. The SXTsq Lite5 retains a 16dBi antenna like the SXT Lite5, our previous model, yet the antenna design has been improved and the physical size has been dramatically reduced - the SXTsq is two times thinner (see photos for comparison).

The device can be mounted on horizontal and vertical poles and masts, but for precise alignment, separately available is the QuickMount Pro, which allows to adjust in every angle (see photo and related product).

- SXTsq Lite5-US (USA) is factory locked for 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- SXTsq Lite5 (International) supports 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBSXTsq5nD
Architecture	MIPSBE
CPU	AR9344
CPU core count	1
CPU nominal frequency	600 MHz
Dimensions	129x129x34mm
RouterOS license	3
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	6 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-30 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	300 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n
Antenna gain dBi for 5 GHz	16
Wireless 5 GHz chip model	AR9344
Wireless 5 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	1

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP54

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	25	-96
54MBit/s	20	-80
MCS0	25	-96
MCS7	19	-75

Included parts

• 24V 0.38A power adapter
• Metal ring (one)
• PoE injector

MikroTik OmniTIK 5 ac

SKU: RBOmniTikG-5HacD
Type: simple
Categories: 802.11a, 802.11ac, 802.11n, MikroTik Products, Outdoor, Router, Router Board, WAP

Price: 28,884 kr

We are glad to introduce a significant upgrade to our popular OmniTIK 5GHz access points!

OmniTIK 5 ac features five Gigabit Ethernet ports and support for 802.11ac. It's equipped with a powerful 720MHz CPU, 128MB RAM, high power 802.11a/n/ac Dual Chain wireless (support for AC as well as backwards compatible with regular 802.11a/n CPE) and comes with a new design weatherproof outdoor enclosure, two integrated 7.5dBi 5GHz omni antennas, a power supply, a PoE injector and a mounting kit.

- OmniTIK 5 ac US (USA) is factory locked for 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- OmniTIK 5 ac (International) supports 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBOmniTikG-5HacD
Architecture	MIPSBE
CPU	QCA9557
CPU core count	1
CPU nominal frequency	720 MHz
Switch chip model	QCA8337
Dimensions	416 x 129 x 58 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	14 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	12-57 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	7.5
Wireless 5 GHz chip model	QCA9892
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	5

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP54

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	31	-96
54MBit/s	27	-81
MCS0	30	-96
MCS7	27	-77
MCS9	22	-72

Included parts

• 24V 0.8A power adapter
• Pole mounting bracket
• Metal ring (one)
• Gigabit PoE injector

MikroTik NetBox 5 ax

SKU: L11UG-5HaxD-NB
Type: simple
Categories: 802.11a, 802.11ac, 802.11ax, 802.11n, MikroTik Products, Outdoor, WAP

Price: 26,845 kr

NetBox 5 ax is a powerful **dual-chain outdoor** device that can fill multiple roles in your setups: AP/CPE/Point-to-point. The strong **5 GHz Wi-Fi 6 radio** comes with handy RP-SMA connectors. That means you can add a HGO-antenna-OUT and you've got yourself an excellent omnidirectional AP… or try the mANT30 PA antenna to create a powerful long-range point-to-point link for distances up to 30 kilometers.*

This weatherproof board features a modern Qualcomm Maple CPU based on the ARM architecture, 256 MB of RAM, a USB port for extra storage or other needs, and a Gigabit Ethernet port with PoE-in.

We've designed the case to make a sysadmins life easier. You can open the case effortlessly with just one hand. At the bottom, concealed behind a protective door, you'll find exits for Ethernet. Equipped with a mounting loop for easy tower/pole installation, it also offers a separate DIN rail mount.

If you've read this far, here's a little bonus feature: we've kept the good old beeper for various alarms or creative outputs.

*It's important to note that while longer links are feasible, their reliability may vary. Additionally, the distance achievable greatly depends on the antenna selected for use.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	L11UG-5HaxD-NB
Architecture	ARM
CPU	IPQ-5010
CPU core count	2
CPU nominal frequency	800 MHz
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	15 W
Max power consumption without attachments	6 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	18-28 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	2400 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac/ax
Wireless 5 GHz chip model	QCN-6102
Wireless 5 GHz generation	Wi-Fi 6

Ethernet

Details	
10/100/1000 Ethernet ports	1

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1.5

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	54

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	28	-96
54MBit/s	26	-80
MCS0	28	-96
MCS7	25	-75
MCS9	23	-70
MCS11	20	-67

Included parts

• 24V 1.2A power adapter

• Gigabit PoE injector
• Hose clamp 1
• DIN mount (K-27)

MikroTik GrooveA 52 ac

SKU: RBGrooveGA-52HPacn
Type: simple
Categories: 802.11a, 802.11ac, 802.11b, 802.11g, 802.11n, MikroTik Products, Outdoor, Router Board, WAP

Price: 23,787 kr

Our smallest outdoor series model - a fully featured wireless RouterBOARD powered by RouterOS.

Weatherproof, durable and ready to use. Now with 802.11ac support, a Gigabit Ethernet port and a selectable wireless band (2.4GHz or 5GHz, up to 80 MHz wide channel). The new Gigabit port will help you utilise the full benefit of 802.11ac high speed wireless.

- RBGrooveGA-52HPacn-US (USA) is factory locked for 2412-2462MHz, 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- RBGrooveGA-52HPacn (International) supports 2412-2484MHz and 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBGrooveGA-52HPacn
Architecture	MIPSBE
CPU	QCA9556
CPU core count	1
CPU nominal frequency	720 MHz
Dimensions	177 x 44 x 44 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	5 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-30 V

Wireless specifications

Details	
Wireless 2.4 GHz/5 GHz Max data rate	433 Mbit/s
Wireless 2.4 GHz/5 GHz number of chains	1
Wireless 2.4 GHz/5 GHz standards	802.11b/g/n, 802.11a/n/ac
Antenna gain dBi for 2.4 GHz/5 GHz	6
Wireless 2.4 GHz/5 GHz chip model	QCA9889
Wireless 2.4 GHz/5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP55

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	24	-97
11MBit/s	21	-91
6MBit/s	24	-93
54MBit/s	21	-77
MCS0	24	-93
MCS7	20	-72
5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	26	-93
54MBit/s	21	-78
MCS0	26	-93
MCS7	21	-74
MCS9	19	-69

Included parts

• 24V 0.38A power adapter
• Gigabit PoE injector
• 6dBi / 8dBi omni antenna
• Metal ring (one)

MikroTik Groove 52

SKU: RBGroove52HPn
Type: simple
Categories: 802.11a, 802.11b, 802.11g, 802.11n, MikroTik Products, Outdoor, Router Board, WAP

Price: 13,933 kr

Our smallest outdoor series model - a fully featured wireless RouterBOARD powered by RouterOS. Weatherproof, durable and ready to use. It has one 10/100 Ethernet port with PoE support and a built in wireless radio. It has software selectable 2 or 5GHz wireless mode, and high output power!

With the Nv2 TDMA technology, up to 125Mbit aggregate throughput is possible! It has a built-in N-male connector, and pole attachment points, so you can attach it to an antenna directly, or use a standard antenna cable. LED signal indicators make it easy to install and align.

Box contains: Groove unit, mounting loops, PoE injector and power adapter

We have two versions available.

-Groove 52-US (USA) is factory locked for 2412-2462MHz, 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- Groove 52 (International) supports 2412-2484MHz and 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum

of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBGroove52HPn
Architecture	MIPSBE
CPU	AR9342
CPU core count	1
CPU nominal frequency	600 MHz
Dimensions	180x49x44mm, 193g
RouterOS license	3
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	6 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	9-30 V

Wireless specifications

Details	
Wireless 2.4 GHz/5 GHz Max data rate	150 Mbit/s
Wireless 2.4 GHz/5 GHz number of chains	1
Wireless 2.4 GHz/5 GHz standards	802.11a/b/g/n
Wireless 2.4 GHz/5 GHz chip model	AR9342
Wireless 2.4 GHz/5 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	27	-97
11MBit/s	27	-91
6MBit/s	27	-93
54MBit/s	24	-75
MCS0	27	-93
MCS7	23	-70
5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	27	-93
54MBit/s	23	-75
MCS0	26	-93
MCS7	22	-70

Included parts

• PoE injector
• 24V 0.38A power adapter
• Metal ring (one)

MikroTik SXTsq Lite2

SKU: RBSXTsq2nD
Type: simple
Categories: 802.11b, 802.11g, 802.11n, MikroTik Products, Outdoor, Router Board, WAP

Price: 9,176 kr

The SXTsq Lite2 is a compact and lightweight outdoor wireless device with an integrated antenna. Perfect for point-to-point links or as a CPE unit. It is compact, weatherproof and easy to mount.

The SXTsq Lite2 retains a 10 dBi antenna like the SXT Lite2, our previous model, yet the antenna design has been improved and the physical size has been dramatically reduced - the SXTsq is two times thinner.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBSXTsq2nD
Architecture	MIPSBE
CPU	QCA9533
CPU core count	1
CPU nominal frequency	650 MHz
Dimensions	129 x 129 x 34 mm
RouterOS license	3
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	5 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-30 V

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	10
Wireless 2.4 GHz chip model	QCA9533
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	1

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP54

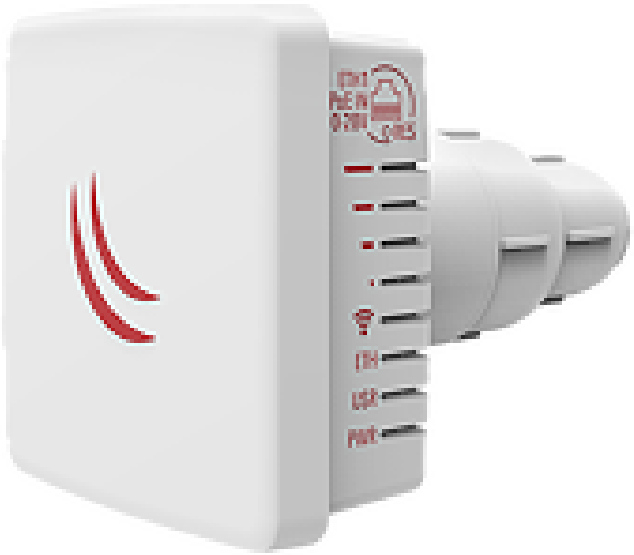
Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	30	-100
11MBit/s	30	-93
6MBit/s	30	-94
54MBit/s	26	-80
MCS0	30	-94
MCS7	25	-75

Included parts

• 24V 0.38A power adapter
• Metal ring (one)
• PoE injector

MikroTik LDF 5



SKU: RBLDF-5nD
Type: simple
Categories: 802.11a, 802.11n, MikroTik Products, Outdoor, Router Board, WAP

Price: 11,873 kr

The LDF (Lite Dish Feed) is an outdoor wireless system with a built in antenna, meant to be installed on satellite offset dish antennas. The dish will act as a reflector, amplifying the signal.

This means you can use any available satellite TV dish with an offset mount to quickly deploy powerful long range wireless links. The offset mount is universal at 40mm diameter, and the LDF can easily be placed inside it. Since the LDF itself is a tiny little package, it makes shipping and deployment simple and low cost.

Using a dish of up to 100cm in diameter, it is possible to obtain antenna amplification of up to 33dBi. The device comes preinstalled with RouterOS and is ready to use.

- LDF 5 US (USA) is factory locked for 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- LDF 5 (International) supports 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBLDF-5nD
Architecture	MIPSBE
CPU	AR9344
CPU core count	1
CPU nominal frequency	600 MHz
Dimensions	84x84x115mm
RouterOS license	3
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	6 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-30 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	300 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n
Antenna gain dBi for 5 GHz	9
Wireless 5 GHz chip model	AR9344
Wireless 5 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	1

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP54

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	25	-96
54MBit/s	20	-80
MCS0	25	-96
MCS7	19	-75

Included parts

• 24V 0.38A power adapter
• PoE injector

MikroTik NetMetal 5

SKU: RB922UAGS-5HPacD-NM
Type: simple
Categories: 802.11a, 802.11ac, 802.11n, LTE, MikroTik Products, Outdoor, Router Board, WAP

Price: 35,340 kr

This NetMetal version is equipped with a miniPCI-express slot a SIM slot for 3G/4G device or additional wireless card, a high power 2x2 dual chain 802.11ac wireless and two RP-SMA Female (outside thread) connectors for external antennas

The NetMetal is a 802.11ac wireless device in a waterproof metal enclosure (IP54). Its rugged design is made to withstand the toughest conditions, but at the same time is easy to use and can be opened and closed with one hand. The solid aluminum enclosure also works as a reliable heat-sink for its high output power radio.

The NetMetal is equipped with powerful 720Mhz CPU, 128MB RAM, one Gigabit Ethernet port, 802.11ac wireless, one SFP cage, USB, RP-SMA Female (outside thread) connectors for external antennas and RouterOS L4 license.

- RB922UAGS-5HPacD-NM-US (USA) is factory locked for 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- RB922UAGS-5HPacD-NM (International) supports 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB922UAGS-5HPacD-NM
Architecture	MIPSBE
CPU	QCA9557
CPU core count	1
CPU nominal frequency	720 MHz
Dimensions	143x247x48mm (PCB)
RouterOS license	4
Operating System	RouterOS
Size of RAM	128 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	19 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	8-30 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Wireless 5 GHz chip model	QCA9882
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	1

Fiber

Details	
SFP DDMI	yes
SFP ports	1

Peripherals

Details	
Number of SIM slots	1 Modem (Mini SIM)
MiniPCI-e slots	1
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	FCC, IC
IP	IP54

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	31	-96
54MBit/s	27	-81
MCS0	30	-96
MCS7	27	-77
MCS9	22	-72

Included parts

• 24V 1.2A power adapter
• K-25 screw kit
• Gigabit PoE injector
• Metal ring (one)
• DIN mount (K-27)

MikroTik LHG 5

SKU: RBLHG5kit
Type: simple
Categories: 802.11a, 802.11n, MikroTik Products, Router Board, WAP

Price: 47,913 kr

The LHG 5 is a compact and lightweight 5GHz 802.11 a/n wireless device featuring an integrated dual-polarization 24.5 dBi grid antenna at a revolutionary price. It is ideal for point-to-point links or as a CPE at longer distances, and supports the Nv2 TDMA protocol.

The grid design ensures protection against wind, and the fact that the antenna element is built into the wireless unit means there is no loss of cables.

Shipped as a kit of 3 units (RBLHG5kit) - 3 antennas in a single box.

International version, Not for use within USA and Canada.

The device comes with an operating system preinstalled and licensed. No separate purchase is necessary, and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years from the date of purchase.

Specifications

Details	
Product code	RBLHG-5nD
Architecture	MIPSBE
CPU	AR9344
CPU core count	1
CPU nominal frequency	600 MHz
Dimensions	Ø 391 x 222 mm; package 450 x 450 x 145 mm
RouterOS license	3
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	6 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	11-30 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	300 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n
Antenna gain dBi for 5 GHz	24.5
Wireless 5 GHz chip model	AR9344
Wireless 5 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100 Ethernet ports	1

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP54

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	25	-96
54MBit/s	20	-80
MCS0	25	-96
MCS7	19	-75

Included parts

• K-LHG kit
• 24V 0.38A power adapter
• PoE injector
• Metal rings (two)

MikroTik GrooveA 52

SKU: RBGrooveA-52HPn
Type: simple
Categories: 802.11a, 802.11ac, 802.11n, MikroTik Products, Router, Router Board, WAP

Price: 18,690 kr

We are glad to introduce a significant upgrade to our popular OmniTIK 5GHz access points!

OmniTIK 5 PoE ac features five Gigabit Ethernet ports and support for 802.11ac. It's equipped with a powerful 720MHz CPU, 128MB RAM, high power 802.11a/n/ac Dual Chain wireless (support for AC as well as backwards compatible with regular 802.11a/n CPE) and comes with a new design weatherproof outdoor enclosure, two integrated 7.5dBi 5GHz omni antennas, a power supply, a PoE injector and a mounting kit.

It also supports passive or standard 802.3at/af PoE input/output.
Ethernet ports 2-5 can power other PoE capable devices with the same voltage as applied to the unit. Less power adapters and cables to worry about! It can power af/at mode B (4,5+)(7,8-) compatible devices, if 48-57 input voltage is used.

- OmniTIK 5 PoE ac US (USA) is factory locked for 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- OmniTIK 5 PoE ac (International) supports 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBOmniTikPG-5HacD
Architecture	MIPSBE
CPU	QCA9557
CPU core count	1
CPU nominal frequency	720 MHz
Switch chip model	QCA8337
Dimensions	416 x 129 x 58 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	66 W
Max power consumption without attachments	18 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	12-57 V

PoE-out

Details	
PoE-out ports	Ether2-Ether5
PoE out	802.3af/at
Max out per port output (input 18-30 V)	1 A
Max out per port output (input 30-57 V)	450 mA
Max total out (A)	2 A

Wireless specifications

Details	
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	7.5
Wireless 5 GHz chip model	QCA9892
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	5

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP54

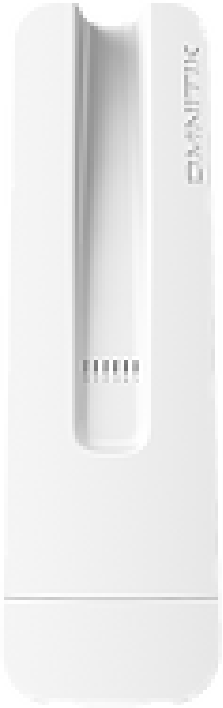
Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	31	-96
54MBit/s	27	-81
MCS0	30	-96
MCS7	27	-77
MCS9	22	-72

Included parts

• Pole mounting bracket
• Metal ring (one)
• Gigabit PoE injector
• IEC cord
• 28V 2.57A power adapter

MikroTik OmniTIK 5 PoE ac



SKU: RBOmniTikPG-5HacD
Type: simple
Categories: 802.11a, 802.11ac, 802.11n, MikroTik Products, Router Board, WAP

Price: 33,641 kr

We are glad to introduce a significant upgrade to our popular OmniTIK 5GHz access points!

OmniTIK 5 PoE ac features five Gigabit Ethernet ports and support for 802.11ac. It's equipped with a powerful 720MHz CPU, 128MB RAM, high power 802.11a/n/ac Dual Chain wireless (support for AC as well as backwards compatible with regular 802.11a/n CPE) and comes with a new design weatherproof outdoor enclosure, two integrated 7.5dBi 5GHz omni antennas, a power supply, a PoE injector and a mounting kit.

It also supports passive or standard 802.3at/af PoE input/output.
Ethernet ports 2-5 can power other PoE capable devices with the same voltage as applied to the unit. Less power adapters and cables to worry about! It can power af/at mode B (4,5+)(7,8-) compatible devices, if 48-57 input voltage is used.

- OmniTIK 5 PoE ac US (USA) is factory locked for 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- OmniTIK 5 PoE ac (International) supports 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RBOmniTikPG-5HacD
Architecture	MIPSBE
CPU	QCA9557
CPU core count	1
CPU nominal frequency	720 MHz
Switch chip model	QCA8337
Dimensions	416 x 129 x 58 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	66 W
Max power consumption without attachments	18 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	12-57 V

PoE-out

Details	
PoE-out ports	Ether2-Ether5
PoE out	802.3af/at
Max out per port output (input 18-30 V)	1 A
Max out per port output (input 30-57 V)	450 mA
Max total out (A)	2 A

Wireless specifications

Details	
Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	7.5
Wireless 5 GHz chip model	QCA9892
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details	
10/100/1000 Ethernet ports	5

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP54

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	31	-96
54MBit/s	27	-81
MCS0	30	-96
MCS7	27	-77
MCS9	22	-72

Included parts

• Pole mounting bracket
• Metal ring (one)
• Gigabit PoE injector
• IEC cord
• 28V 2.57A power adapter

MikroTik mANTBox ax 15s

SKU: L22UGS-5HaxD2HaxD-15S
Type: simple
Categories: 802.11a, 802.11ac, 802.11ax, 802.11n, MikroTik Products, Outdoor, WAP

Price: 43,156 kr

Managing outdoor wireless network has never been easier: mANTBox ax 15s can provide unparalleled wireless point-to-multipoint connectivity for a vast variety of devices over a distance of 20 kilometers!*

A potent combination of modern **dual-core ARM CPUs, our latest 802.11ax Wi-Fi 6 dual-band radios and powerful built-in sector antennas** will take your signal stability, speed, and responsiveness to the next level! There's a **Gigabit Ethernet port with PoE-in** and an **SFP port with 2.5 Gigabit support** for extra fast fiber uplinks.

Upgrading your setup to Wi-Fi 6 offers
multiple benefits:

Speed: we've seen up to 40% higher speed in the 5 GHz spectrum and up to 90% higher speed in the 2.4 GHz spectrum.

Security: WPA3 encryption and management frame protection prevent all sorts of attacks, like bruteforcing and WPA2 handshake■capture deauthentication attacks

Reliability: seamless fast transition (roaming) enables smooth, non-stop signal when you have to switch between access points. Also, Wi-Fi 6 ensures a fair traffic distribution if the connection is shared by a large number of users.

Energy efficiency: features like Target Wake Time reduce power consumption in the long run. Better for your wallet and the planet!

mANTBox package includes everything you need: a Gigabit PoE injector, a power supply, a hose clamp and a fastening set, and the MikroTik quickMOUNT pro. This advanced wall mount adapter allows turning antenna within 140° both horizontally and vertically. With the quickMOUNT pro it is possible to perfectly set antenna alignment using an integrated graduated scale.

*It's important to note that while longer links are feasible, their reliability may vary.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	L22UGS-5HaxD2HaxD-15S
Architecture	ARM
CPU	IPQ-5010
CPU core count	2
CPU nominal frequency	800 MHz
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-28 V
Max power consumption	21 W
Max power consumption without attachments	11 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	18-28 V

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	574 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n/ax
Antenna gain dBi for 2.4 GHz	12
Wireless 2.4 GHz chip model	IPQ-5010
Wireless 2.4 GHz generation	Wi-Fi 6
Wireless 5 GHz Max data rate	2400 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac/ax
Antenna gain dBi for 5 GHz	15
Wireless 5 GHz chip model	QCN-6102
Wireless 5 GHz generation	Wi-Fi 6

Ethernet

Details	
10/100/1000 Ethernet ports	1

Fiber

Details	
SFP ports	1 (2.5G supported)

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1.5

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	55

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	27	-100
11MBit/s	27	-94
6MBit/s	29	-96
54MBit/s	27	-80
MCS0	29	-96
MCS7	26	-75
MCS9	24	-70
MCS11	22	-67

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	28	-96
54MBit/s	26	-80
MCS0	28	-96
MCS7	25	-75
MCS9	23	-70
MCS11	20	-67

Included parts

• 24V 1.2A power adapter
• Gigabit PoE injector
• Hose clamp 1
• QMP
• K-41 fastening set

MikroTik QRT 5

SKU: RB911G-5HPnD-QRT
Type: simple
Categories: 802.11a, 802.11n, MikroTik Products, Outdoor, Router Board, WAP

Price: 40,097 kr

The QRT 5 is a rugged outdoor flat panel antenna, with a built in RouterBOARD. The device has a 24dBi antenna and a high power 5GHz wireless transmitter.

Inside is the high power RB911 dual chain wireless device (see separate brochure), with high performance, high output power wireless transmitter. It has a Gigabit Ethernet port, to fully utilise the benefit of 802.11n high speed wireless.

Easy to use and quick to deploy, QRT is ideal for point to point links.

- RB911G-5HPnD-QRT-US (USA) is factory locked for 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- RB911G-5HPnD-QRT (International) supports 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB911G-5HPnD-QRT
Architecture	MIPSBE
CPU	AR9342
CPU core count	1
CPU nominal frequency	600 MHz
Dimensions	309x320x50mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	1 (PoE-IN)
Max power consumption	12 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	8-28 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	300 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n
Antenna gain dBi for 5 GHz	24
Wireless 5 GHz chip model	AR9342
Wireless 5 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100/1000 Ethernet ports	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	54

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	30	-96
54MBit/s	27	-78
MCS0	30	-96
MCS7	26	-75

Included parts

• QRT antenna mount
• U bolts
• U mast clamp
• K-QRT screw kit
• 24V 0.8A power adapter
• Gigabit PoE injector

MikroTik mANTBox 2 12s

SKU: RB911G-2HPnD-12S
Type: simple
Categories: 802.11b, 802.11g, 802.11n, MikroTik Products, Router Board, WAP

Price: 23,787 kr

mANTBox 2 12s is long range 12dbi 120 degrees integrated Base Station for 2.4 GHz.

The mANTBox is based on our new mANT sector antennas, but also has a wireless router built right in. Powered by the RB911 device, the mANTBox comes ready to use with everything included. The device uses a high speed 600 MHz CPU, comes with the Gigabit Ethernet port and has a built in 802.11 b/g/n wireless device with up to 30 dBm output power.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB911G-2HPnD-12S
Architecture	MIPSBE
CPU	AR9342
CPU core count	1
CPU nominal frequency	600 MHz
Dimensions	140 x 348 x 82 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	8-30 V
Max power consumption	11 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-28 V

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	12
Wireless 2.4 GHz chip model	AR9342
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100/1000 Ethernet ports	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP54

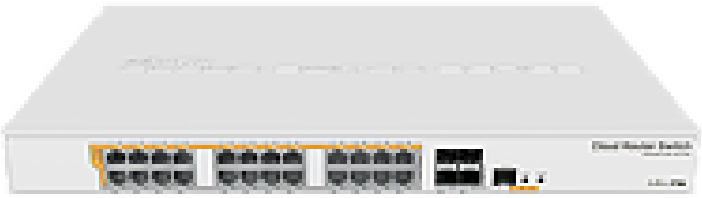
Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	30	-100
11MBit/s	30	-94
6MBit/s	30	-96
54MBit/s	27	-78
MCS0	30	-96
MCS7	24	-73

Included parts

• Gigabit PoE injector
• QMP
• 24V 0.8A power adapter
• Metal ring (one)
• K-41 fastening set

MikroTik CRS328-24P-4S+RM



SKU: CRS328-24P-4S+RM
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products, Router, Router Board

Price: 128,788 kr

CRS328-24P-4S+RM is a 28 independent port switch, it has 24 Gigabit Ethernet ports, which offer different power output
options: Passive PoE, low voltage PoE, 802.3af/at (Type 1 “PoE” / Type 2 “PoE+”) with auto-sensing. PoE-Out is passed over mode B pins (4,5+)(7,8-). The four SFP+ ports
provide up to 10 Gbps connectivity options via either optical fiber or Ethernet modules (not included).

CRS328-24P-4S+RM comes in a 1U rackmount case with 100-240 V AC 500 W power supply built-in. The device
consumes up to 44 W leaving guaranteed 450 W (3x150 W per every 8 Ethernet ports) to power your PoE devices. Each
port can provide up to 30 W of power with any power output option you choose.

The device has a “Dual boot” feature that allows you to choose between two operating systems - RouterOS or SwOS. If
you prefer to have a simplified operating system with only switch specific features, use SwOS. If you would like the ability
to use routing and other Layer 3 features in your CRS, use RouterOS. You can select the desired operating system from
RouterOS, from SwOS or from the RouterBOOT loader settings. All the feature set comes with disruptive price, providing
best price/performance on the market.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the

product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS328-24P-4S+RM
Architecture	ARM 32bit
CPU	98DX3236
CPU core count	1
CPU nominal frequency	800 MHz
Switch chip model	98DX3236
Dimensions	443 x 300 x 44 mm
RouterOS license	5
Operating System	RouterOS / SwitchOS
Size of RAM	512 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C

Powering

Details	
Number of AC inputs	1
AC input range	100-240
Number of PSU slots	2
Max power consumption	494 W
Max power consumption without attachments	44 W
Cooling type	2 fans

PoE-out

Details	
PoE-out ports	Ether1-Ether24
PoE out	802.3af/at
Max out per port output (input 18-30 V)	1000 mA
Max out per port output (input 30-57 V)	450 mA
Max total out (A)	20 A

Ethernet

Details	
10/100/1000 Ethernet ports	24

Fiber

Details	
SFP+ ports	4

Peripherals

Details	
Serial console port	RJ45

Other

Details	
CPU temperature monitor	Yes
Current Monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP00

Included parts

- K-54 kit
- IEC cord
- Rackmount ears

MikroTik CRS320-8P-8B-4S+RM

SKU: CRS320-8P-8B-4S+RM
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products, Router, Router Board

Price: 128,788 kr

CRS320-8P-8B-4S+RM Cable management can get really exhausting. But it doesn't have to. Our first PoE++ or 802.3bt switch can make your cable management so much easier, as it can output enough power for all your hotel, conference hall, office and high-rise building needs!

4K security cameras with built-in winter heating elements, LED ad screens, PoE-powered light fixtures – CRS320 can output up to 90W per port, enough even for the most demanding devices! It comes with a reliable 600 W power supply, but we've reserved an expansion slot for an additional PSU, in case you need to raise the power output to 1150 W.

There are 17 Gigabit Ethernet ports: #1 - #8 Gigabit Ethernet ports with 802.3af/at PoE-out, #9 - #16 802.3bt PoE++ ports, and an extra Gigabit Ethernet port for management purposes. There's also a console port, and four 10G SFP+ fiber ports for uplink.

At its core, this convenient switch has a phenomenal Marvel switch-chip – the same one you've seen in ISP bestsellers like the netPower 16P and netFiber 9! It can handle the heaviest loads, including VLAN-filtering and hardware-offloaded Layer-3 routing.

If you've been looking for a way to simplify your cable management – this is it! With a single CRS320, you can ditch that endless mess of DC power adapters and start living the clean minimalist PoE dream.

Unlike our previous 802.3af/at Power Sourcing Equipment, this is our first PoE switch with full implementation of the 802.3af/at/bt standard. It supports only fully compliant 802.3 at/af/bt Powered Devices - mAP-lite / RB1100AHx4 / CRS510-8XS-2XQ / CRS504-4XQ / FTC11XG / CRS305-1G-4S+OUT. While it can also power "802.3af/at/bt-compatible" Powered Devices, you must avoid specific grounding scenarios. Please refer to the official

Help page.
.

A hot-swappable PSU is included.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS320-8P-8B-4S+RM
Architecture	ARM 32bit
CPU	98DX226S
CPU core count	2
CPU nominal frequency	800 MHz
Switch chip model	98DX226S
RouterOS license	5
Operating System	RouterOS v7 / SwitchOS
Size of RAM	256 MB
Storage size	32 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-10°C to 50°C

Powering

Details	
Number of AC inputs	1
AC input range	100-240
Number of PSU slots	2
Frequency (Hz)	50-60
Max power consumption	600W (1150W with additional PSU)
Max power consumption without attachments	36 W
Cooling type	3 fans

PoE-out

Details	
PoE-out ports	Ether1-Ether8 (af/at), Ether9-Ether16 (bt)
PoE out	802.3af/at/bt
Max out per port output (input 30-57 V)	560 (af/at) / 1667 (bt) mA
Max total out (A)	17.82 A
Total output current	17.82
Total output power	963

Ethernet

Details	
10/100/1000 Ethernet ports	17
Number of 1G Ethernet ports with PoE-out	16

Fiber

Details	
SFP+ ports	4

Peripherals

Details	
Serial console port	RJ45

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

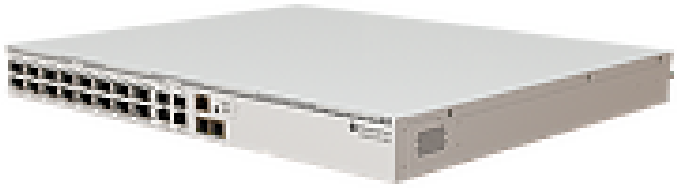
Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• IEC cord
• Rackmount ears (CRS)
• Cable managment brackets
• K-57 kit

MikroTik CRS520-4XS-16XQ-RM



SKU: CRS520-4XS-16XQ-RM
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products, Router, Router Board

Price: 523,307 kr

Welcome to the forefront of networking: the future-proof CRS520-4XS-16XQ-RM with extra processing power, 4 GB of DDR4 RAM, and the best price per 100 Gigabit port we've seen so far.

With 16x 100 Gigabit QSFP28 ports, 4x 25 Gigabit SFP28 ports, and an extra pair of 10 Gigabit Ethernet ports, this switch can bring a lot of value to complicated enterprise networks, data centers, multimedia studios, and other setups where you would typically use several devices. Now – a single CRS520 can do the trick!

Avid CCR users might recognize the powerful quad-core ARM CPU running at 2 GHz, and ask – why would a switch need all that power? Two reasons:

1) CRS520 is more than a switch. You can run OSPF/BGP, out-of-band/management VPNs, ACLs, Jumbo frames and even L3HW Offloaded routing;

2) Future-proofing: as our friends at Marvell keep expanding the capabilities of their spectacular switch-chips, our in-house software team is busy exploring ways to add even more Hardware Offloaded features. You can expect software updates that will take the CRS520 to the next level! And all that without any paywalls or subscriptions.

Two hot-swap power supplies and four hot-swap fans for cooling are included. This switch can also be powered by the PW48V-12V150W Hot Swap -48V DC telecom power supply, available separately.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS520-4XS-16XQ-RM
Architecture	ARM 64bit
CPU	AL52400
CPU core count	4
CPU nominal frequency	2 GHz
Switch chip model	98CX8410
RouterOS license	5
Operating System	RouterOS v7
Size of RAM	4 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 50°C

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Number of PSU slots	2
Frequency (Hz)	50-60
Max power consumption	150 W
Max power consumption without attachments	123 W
Cooling type	4 fans

Ethernet

Details	
Number of 1G/2.5G/5G/10G Ethernet ports	2

Fiber

Details	
Number of 25G SFP28 ports	4
Number of 100G QSFP28 ports	16

Peripherals

Details	
Serial console port	RJ45

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• 2x IEC cords
• Rackmount ears (CRS)
• Rackmount rear support ears (2/2)
• Cable managment brackets
• K-82 fastening set

MikroTik CRS305-1G-4S+IN

SKU: CRS305-1G-4S+IN
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products, Router, Router Board

Price: 35,340 kr

The CRS305 is a compact yet very powerful switch, featuring four SFP+ ports, for up to 10 Gbit per port. The device has a 1 Gbit copper ethernet port for management access or regular traffic forwarding and two DC jacks for power redundancy. The device is a very sleek and compact metallic case without any fans, for silent operation.

The device has a “Dual boot” feature that allows you to choose between two operating systems - RouterOS or SwOS. If you prefer to have a simplified operating system with only switch specific features, use SwOS. If you would like the ability to use routing and other Layer 3 features in your CRS, use RouterOS. You can select the desired operating system from RouterOS, from SwOS or from the RouterBOOT loader settings. All the feature set comes with a disruptive price, providing the best price/performance on the market.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS305-1G-4S+IN
Architecture	ARM 32bit
CPU	98DX3236
CPU core count	1
CPU nominal frequency	800 MHz
Switch chip model	98DX3236
Dimensions	141 x 115 x 28 mm
RouterOS license	5
Operating System	RouterOS / SwitchOS
Size of RAM	512 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	3 (DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	18 W
Max power consumption without attachments	10 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	1

Fiber

Details	
SFP+ ports	4

Other

Details	
CPU temperature monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• 24V 0.8A power adapter

MikroTik CRS518-16XS-2XQ-RM

SKU: CRS518-16XS-2XQ-RM
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 380,247 kr

As our 100 Gigabit product family grows, the time has come to introduce a serious enterprise-level switch. A switch that is up for the challenge when the CRS504 port density is just not enough. Introducing the spectacular **CRS518-16XS-2XQ!**

With **2x 100 Gigabit QSFP28 ports and 16x 25 Gigabit SFP28 ports**, this is the perfect cost-effective addition to any enterprise network or data center. And with dual-redundant hot-swappable power supplies and fans, you won't have to worry about unnecessary downtime.

Here's a real-life setup – similar to the one we're using in our office:

At the top, you could place two flagship CCR2216 routers to provide the main connectivity and routing. Then a blazing-fast 100 Gigabit connection leads to three CRS518 distribution level switches. This is where all the magic happens. The CRS518 switches connect every access level device to the main network, deal with traffic filtering, and network policy enforcement. And they handle all that with grace and dignity – thanks to the fantastic **Marvell Prestera Aldrin2 switch-chip.** The same chip you've seen in our flagship CCR2216 that did wonders with L3 Hardware Offloading.

The 25-gigabit ports are backward compatible with 10 Gigabit and 1 Gigabit SFP devices. Mix and match as you need!

The two hot-swap power supplies support a high input voltage range: 100-240V. The board itself uses up to 45W of power, while the total maximum power consumption goes up to 77W with all the attachments. It can be a bit more power-hungry than the CRS504, but you would be too if you had 16x 25-Gigabit ports, wouldn't you?

Our 100 Gigabit product family keeps growing: switches, routers, cables, and QSFP28 modules. If you want real speed and ultimate flexibility for the best price on the market – you want MikroTik!

Nothing can stop this switch: it supports VLAN (802.1Q, 802.1ad), **L3 hardware offloaded routing**, ACL, LACP, MLAG, Jumbo frames, IGMP/MLD snooping, and so on. Keep your RouterOS up to date and enjoy the real power of CRS!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS518-16XS-2XQ-RM
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	98DX8525
RouterOS license	6
Operating System	RouterOS v7
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Number of PSU slots	2
Frequency (Hz)	47-63
Max power consumption	95 W
Max power consumption without attachments	45 W
Cooling type	4 fans

Ethernet

Details	
10/100 Ethernet ports	1

Fiber

Details	
Number of 25G SFP28 ports	16
Number of 100G QSFP28 ports	2

Peripherals

Details	
Serial console port	RJ45
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• Rack ears for CRS518-16XS-2XQ
• IEC cord
• IEC cord
• K-54 kit

MikroTik CSS610-8P-2S+IN

SKU: CSS610-8P-2S+IN
Type: simple
Categories: Cloud Smart Switch, MikroTik Products, Switch

Price: 64,464 kr

CSS610-8P-2S+IN is one of the most well-rounded switches on the market. It is a perfect fit for the most diverse setups: from home networks and small offices to hotels, call centers and so on. The unique combination of size, features, and price offers unbelievable scalability potential.

There are two SFP+ ports for 10 Gigabit fiber connectivity and eight Gigabit Ethernet ports with 802.3af/at and passive PoE-out (you only need a single PSU to provide both).

This switch is all about nice and easy setups. The compact form-factor means easier shipping and handling, while the lightweight SwOS means easier configuration. You can even configure this switch from your web browser! It gives you all the core functionality of a managed switch, and even more: **you can manage port-to-port forwarding, broadcast storm control, apply MAC filters, configure VLANs, mirror traffic, apply bandwidth limitations, and even adjust some MAC and IP header fields.**

But the real blessing is the combination of **SFP+ and PoE-out Ethernet ports**. With this setup, you can do all kinds of things on a tight budget. CSS610 has an impressive total **PoE-out budget of 140 W**, so you can use even in the most intense scenarios – like hotels, conference halls, or call centers! Use the PoE-out ports to connect the IP-phones while the SFP+ ports connect your primary server to the ISP. Or power a bunch of network cameras and instantly upload the footage to the cloud. And manage a cluster of wireless access points at the same time. Also, scalability is no longer a problem. With our pricing, you can afford a switch on every floor!

Like every toolbox needs screwdrivers and pliers, every network can use a solid PoE switch.

CSS610-8P-2S+IN – a solid choice!

Specifications

Details	
Product code	CSS610-8P-2S+IN
Switch chip model	88E6193X
Dimensions	272x208x44mm
Operating System	SwitchOS Lite
Storage size	64 KB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of AC inputs	1
AC input range	100-240
Number of DC inputs	1 (DC jack)
DC jack input Voltage	48-57 V
Number of PSU slots	1
Frequency (Hz)	50-60
Max power consumption	162 W
Max power consumption without attachments	12 W
Cooling type	Passive

PoE-out

Details	
PoE-out ports	Ether1-Ether8
PoE out	802.3af/at
Max out per port output (input 18-30 V)	1000 mA
Max out per port output (input 30-57 V)	625 mA
Total output power	140

Ethernet

Details	
10/100/1000 Ethernet ports	8
Number of 1G Ethernet ports with PoE-out	8

Fiber

Details	
SFP+ ports	2

Other

Details	
CPU temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• Rack ears for CSS610-8G-2S+IN
• K-48 fastening set
• IEC cord

MikroTik netFiber 9

SKU: CRS310-1G-5S-4S+OUT
Type: simple
Categories: Cloud Router Switch, MikroTik Products, Outdoor, Switch

Price: 59,127 kr

netFiber 9 is a powerful outdoor switch with SFP, SFP+, and Gigabit Ethernet. It features a powerful ARM v7 CPU, 256 MB of RAM, 4x 10G SFP+ ports, and an advanced Marvell switch-chip that can handle even the heaviest loads. The Gigabit Ethernet port is not just for management purposes. It has a direct connection to the switch chip – so you can enjoy full gigabit speed. This port also supports PoE-in, so you don't have to rely on the DC jack for powering in tight, hard- to-reach spots.

There is a console port, followed by five regular SFP ports and four SFP+ ports for that sweet 10 Gbps networking. This means there might be quite a lot of wires for you to organize at some point. That's why we designed the case to have some handy little additional features on the bottom of the case to help you keep everything neat and tidy.

The sturdy case provides decent protection in dusty environments with occasional splashes of water. Perfect for outdoors with some light coverage – like a roof overhang or a simple cabinet. There is a massive heatsink on the back that serves two purposes. Not only it provides outstanding heat dissipation, it also moves the center of mass towards the side with all the mounting options – keeping the board firm and strong upon installation. The package includes metal hose clamps and screws, so you can attach the netFiber to a pole, wall, or mast right away.

netFiber 9 is an amazing tool for anyone working with connections over 100 meters while keeping data loss and ping low. Optic fiber can be a great alternative to copper if you are worried about electromagnetic interference or maybe even tampering and eavesdropping. With 10 ports, a powerful CPU, and a rugged case, netFiber 9 is a real bargain that will make your network management so much easier!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS310-1G-5S-4S+OUT
Architecture	ARM 32bit
CPU	98DX226S
CPU core count	1
CPU nominal frequency	800 MHz
Switch chip model	98DX226S
RouterOS license	5
Operating System	RouterOS v7 / SwitchOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (PoE-IN, DC jack)
DC jack input Voltage	18-57 V
Max power consumption	17 W
Max power consumption without attachments	10 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	18-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	1

Fiber

Details	
SFP ports	5
SFP+ ports	4

Peripherals

Details	
Serial console port	RJ45

Other

Details	
CPU temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP54

Included parts

• 48 V 0.95 A power adapter
• Gigabit PoE injector
• K-66 fastening set
• Hose clamp 2

MikroTik CRS504-4XQ-IN

SKU: CRS504-4XQ-IN
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 189,953 kr

Our 100 Gigabit family keeps expanding – you've already seen the incredible CCR2216 100 Gigabit router. Now it's time for a matching switch – the **CRS504-4XQ-IN**. The small size combined with the low power consumption **(25W without attachments!)** is perfect to start expanding 100 Gigabit networking in everyday setups. This speed is no longer limited to data centers, ISPs, and large offices. You too can upgrade your 10 or 25 Gigabit network and join the one hundred club!

There are four 100 Gigabit QSFP28 ports. Use them to connect other 100 Gigabit devices or grab a breakout cable to connect multiple 25 Gigabit devices: each port is connected to four 25 Gigabit lines, allowing you to connect 16 x 25 Gigabit devices. In fact, you can mix and match all kinds of connections this way: 100 Gigabits on one port, 40 Gigabits on the other, 4x25 Gigabits on the third, and maybe even some 10G or 1G cables on the fourth. The mighty **Marvell DX4310 switch-chip** will handle everything without breaking a sweat!

We've been using this switch for quite some time now in the Genomics Data Network project. A high-capacity data network for our local scientists working on ground-breaking cancer treatments. Genome data can take up a lot of space, so you need exceptionally fast connections there. Also, with these devices, Latvia became the first Baltic country to establish a 100 Gigabit connection to the pan-European research network.

With multiple powering options and the ability to be mounted on the wall, this switch will make any system administrator happy.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the

product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS504-4XQ-IN
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	98DX4310
Dimensions	320 x 185 x 44 mm
RouterOS license	5
Operating System	RouterOS v7
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Number of DC inputs	3 (DC jack, PoE-IN, 2-pin terminal)
DC jack input Voltage	36-57 V
Number of PSU slots	2
2-pin terminal input Voltage	36-57 V
Frequency (Hz)	47-63
Max power consumption	41 W
Max power consumption without attachments	25 W
Cooling type	2 fans
PoE in	802.3 bt
PoE in input Voltage	43-57 V

Ethernet

Details	
10/100 Ethernet ports	1

Fiber

Details	
Number of 100G QSFP28 ports	4

Peripherals

Details	
Serial console port	RJ45

Other

Details	
PCB temperature monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• Rack ears (CRS504)
• K10 screw kit
• IEC cord
• IEC cord

MikroTik RB260GS

SKU: CSS106-5G-1S
Type: simple
Categories: Cloud Smart Switch, MikroTik Products, SOHO, Switch

Price: 10,177 kr

The RB260GS is a small SOHO switch. It has five Gigabit Ethernet ports and one SFP cage powered by an Atheros Switch Chip.

Tested and recommended to use with MikroTik SFP modules: S-85DLC05D, S-31DLC20D and S-35/53LC20D (not included)

It is powered by an operating system designed specifically for MikroTik Switch products - SwOS.

SwOS is configurable from your web browser. It gives you all the basic functionality for a managed switch, plus more: Allows to manage port-to-port forwarding, apply MAC filter, configure
VLANs, mirror traffic, apply bandwidth limitation and even adjust some MAC and IP header fields.

Specifications

Details	
Product code	CSS106-5G-1S
Switch chip model	QCA8337
Dimensions	113x139x28mm
Operating System	MikroTik SwOS
Storage size	128 KB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-20°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	11-30 V
Max power consumption	5 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	11-30 V

Ethernet

Details	
10/100/1000 Ethernet ports	5

Fiber

Details	
SFP DDMI	Yes
SFP ports	1

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• 12V 1A power adapter

MikroTik CRS328-4C-20S-4S+RM

SKU: CRS328-4C-20S-4S+RM
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 106,700 kr

The CRS328-4C-20S-4S+RM is a 28 independent port switch with a combo group. This device has twenty SFP ports, four SFP+ ports for 10G modules and four combo ports, where you can choose to use SFP or RJ45 ports from the combo group. These ports can also be software selected, so if you have plugged in all eight cables, you can use scripting, to decide which four combo ports will be active.

The device comes in a 1U rackmount case with two 100-240 V power supplies with failover functionality. A RJ45 console port is available for management and debugging, and a mode button can be customised to execute any RouterOS commands.

The device has a “Dual boot” feature that allows you to choose between two operating systems - RouterOS or
SwOS.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS328-4C-20S-4S+RM
Architecture	ARM 32bit
CPU	98DX3236
CPU core count	1
CPU nominal frequency	800 MHz
Switch chip model	98DX3236
Dimensions	443 x 194 x 44 mm
RouterOS license	5
Operating System	RouterOS / SwitchOS
Size of RAM	512 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Number of PSU slots	2
Frequency (Hz)	50-60
Max power consumption	43 W
Cooling type	2 fans

Ethernet

Details	
Ethernet Combo ports	4

Fiber

Details	
SFP ports	20
SFP+ ports	4

Peripherals

Details	
Serial console port	RJ45

Other

Details	
CPU temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS

Included parts

• K-54 kit
• Rackmount ears
• 2x IEC cords

MikroTik CRS310-8G+2S+IN

SKU: CRS310-8G+2S+IN
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 51,990 kr

The world of networking is on the move. Even small offices are shifting from Gigabit connections to the lightning-fast realm of 2.5 Gigabit connectivity. With CRS310-8G+2S+IN, we aim to give you the tools to outpace your competition with a strong combination of **eight 2.5 Gigabit Ethernet ports and two 10 Gigabit SFP+ ports** in a compact, powerful package! Furthermore, these SFP+ cages support multiple data rates: 1G, 2.5G, and 10G. So you can use this switch as a 10x 2.5G switch, if needed. Classic MikroTik flexibility!

The amazing Marvell 98DX226S switch-chip and integrated dual-core ARM CPU can handle the full potential of RouterOS v7. Run VLANs, Jumbo frames, link aggregation, ACL rules, and so much more! You can even do some hardware offloaded Layer-3 routing.

There are multiple mounting options. You can easily install the CRS310-8G+2S+IN in a standard 19” rack using the provided rackmount ears. Another option is to get the RMK-2/10 accessory set, which allows you to mount two CRS310 units within the same 1U 19” rack space or mount it in a 10” rack. The choice is yours!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS310-8G+2S+IN
Architecture	ARM 32bit
CPU	98DX226S
CPU core count	2
CPU nominal frequency	800 MHz
Switch chip model	98DX226S
Dimensions	200 x 206,1 x 44
RouterOS license	5
Operating System	RouterOS v7 / SwitchOS
Size of RAM	256 MB
Storage size	32 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 60°C

Powering

Details	
Number of DC inputs	1 (DC jack)
DC jack input Voltage	18-57 V
Max power consumption	34 W
Max power consumption without attachments	21 W
Cooling type	1 fan

Ethernet

Details	
Number of 2.5G Ethernet ports	8

Fiber

Details	
SFP+ ports	2

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• 24V 1.5A power adapter
• K-48 fastening set
• Ears

MikroTik CRS309-1G-8S+IN

SKU: CRS309-1G-8S+IN
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 64,564 kr

The CRS309-1G-8S+ is a very compact, yet powerful networking switch. It has eight SFP+ slots, supporting up to 10 Gbit module in each, which results in a total switching capacity of 162 Gbps and total non-blocking throughput of 81 Gbps.

The device also has dual-core 800 MHz CPU, 512 MB RAM, a management Ethernet port with PoE power input, RS232 serial port, a grounding terminal and is capable of dual boot (choose which operating system you prefer, RouterOS, or SwOS).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS309-1G-8S+IN
Architecture	ARM 32bit
CPU	98DX8208
CPU core count	2
CPU nominal frequency	800 MHz
Switch chip model	98DX8208
Dimensions	272 x 191 x 44 mm
RouterOS license	5
Operating System	RouterOS / SwitchOS
Size of RAM	512 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	23 W
Max power consumption without attachments	17 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	18-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	1

Fiber

Details	
SFP+ ports	8

Peripherals

Details	
Serial console port	RS232

Other

Details	
CPU temperature monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• 24V 1.2A power adapter
• Ears
• K-37 fastening set

MikroTik CRS354-48P-4S+2Q+RM

SKU: CRS354-48P-4S+2Q+RM
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 237,527 kr

If you are looking for a single switch that will put your network setup ahead of the curve and power all the necessary devices – look no further! The new CRS354-48P-4S+2Q+RM is an effective and adaptable rackmount solution for managing networks in the most demanding environments. Unlike many other switches out there, our products are made with the system administrator in mind.

This powerful switch has 48 x 1G RJ45 ports and 4 x 10G SFP+ ports. There are also 2 x 40G QSFP+ ports for extremely fast fiber connections or linking with other 40 Gbps devices. All 48 Ethernet ports offer different power output options: Passive PoE, low voltage PoE, 802.3af/at (Type 1 “PoE” / Type 2 “PoE+”) with auto-sensing, making this switch the easiest solution to power even the largest setups. We have included a mighty power supply that can provide 750 W of power – this switch can handle a lot. And there is a special bracket for easy cable management.

CRS354-48P-4S+2Q+RM is extremely functional, and it has the best price-point on the market – it will make the perfect addition to a professional setup.

The total non-blocking throughput is 168 Gbps, switching capacity is 336 Gbps and the forwarding rate reaches 235 Mpps.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS354-48P-4S+2Q+RM
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	98DX3257
Dimensions	443 x 382 x 44 mm
RouterOS license	5
Operating System	RouterOS v7 / SwitchOS
Size of RAM	128 MB
Storage size	32 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C

Powering

Details	
Number of AC inputs	1
AC input range	100-240
Number of PSU slots	1
Frequency (Hz)	50-60
Max power consumption	800 W
Max power consumption without attachments	85 W
Cooling type	4 fans

PoE-out

Details	
PoE-out ports	Ether1-Ether48
PoE out	802.3af/at
Max out per port output (input 18-30 V)	1000 mA
Max out per port output (input 30-57 V)	570 mA
Total output current	27A at 26V OR 13.2A at 53V
Total output power	700W

Ethernet

Details	
10/100 Ethernet ports	1
10/100/1000 Ethernet ports	48

Fiber

Details	
SFP+ ports	4
Number of 40G QSFP+ ports	2

Peripherals

Details	
Serial console port	RJ45

Other

Details	
CPU temperature monitor	Yes
Current Monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• IEC cord
• Cable managment brackets
• Rackmount ears (CRS)
• Rackmount rear support ears (1/2)
• Rackmount rear support ears (2/2)
• K-48 fastening set

MikroTik CRS326-24S+2Q+RM

SKU: CRS326-24S+2Q+RM
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 142,380 kr

If you are working with substantial amount of data – like providing Internet access or maintaining a huge data center – this is the perfect upgrade for your setup. CRS326-24S+2Q+RM is our first product with 40 Gbps QSFP+ ports for remarkably fast and stable fiber connection.

Overall it has two 40 Gbps QSFP+ ports and twenty four 10 Gbps SFP+ ports, which provides total nonblocking throughput of 320 Gbps and switching capacity of 640 Gbps with forwarding rate of 252 Mpps with most common packets.

CRS326-24S+2Q+RM is easy to manage – it has a full size USB port for configuration and dual power supply for redundancy – no unexpected downtime, your clients and colleagues will be thankful!

You can choose between our legendary feature-packed RouterOS for booting or a simpler, but still powerful SwOS. If you would like the ability to use routing and other Layer 3 features in your CRS, use RouterOS

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS326-24S+2Q+RM
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	98DX8332
Dimensions	443 x 200 x 44 mm
RouterOS license	5
Operating System	RouterOS v7 / SwitchOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Number of PSU slots	2
Frequency (Hz)	50-60
Max power consumption	69 W
Max power consumption without attachments	42 W
Cooling type	3 fans

Ethernet

Details	
10/100 Ethernet ports	1

Fiber

Details	
SFP+ ports	24
Number of 40G QSFP+ ports	2

Peripherals

Details	
Serial console port	RJ45
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• Screw and feet kit (K10)
• 2x IEC cords
• Rack ears

MikroTik CRS317-1G-16S+RM

SKU: CRS317-1G-16S+RM
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products, Router

Price: 118,593 kr

The new Cloud Router Switch 317-1G-16S+RM is a rack-mountable manageable switch with Layer3 features, it has 16 SFP+ ports for high performance 10GbE connectivity and a 1GbE copper port for management.

CRS317-1G-16S+RM is powered by a next generation switching chip, giving you wire speed performance for all sixteen 10GbE ports with any Ethernet frame size. New features such as hardware-based Spanning Tree Protocol and Link Aggregation (LACP) provide enhanced protection and true professional performance for your demanding network.

The unit has dual redundant power supplies and passive cooling case - for hot environments two redundant fans will automatically keep the system cool if needed.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS317-1G-16S+RM
Architecture	ARM 32bit
CPU	98DX8216
CPU core count	2
CPU nominal frequency	800 MHz
Switch chip model	98DX8216
Dimensions	443 x 224 x 44 mm
RouterOS license	6
Operating System	RouterOS / SwitchOS
Size of RAM	1 GB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Number of PSU slots	2
Frequency (Hz)	50-60
Max power consumption	44 W
Cooling type	2 fans

Ethernet

Details	
10/100/1000 Ethernet ports	1

Fiber

Details	
SFP+ ports	16

Peripherals

Details	
Serial console port	RJ45

Other

Details	
CPU temperature monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS

Included parts

• Rack ears
• 2x IEC cords
• K10 screw kit

MikroTik CRS354-48G-4S+2Q+RM

SKU: CRS354-48G-4S+2Q+RM
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 145,778 kr

If you are looking for a single switch that will put your network setup ahead of the curve without costing a fortune, look no further. The new CRS354-48G-4S+2Q+RM is an effective and adaptable rackmount solution for managing networks in demanding and busy environments. With this product we aim to set a new price-performance bar – get more features while spending way less!

This powerful switch has 48 x 1G RJ45 ports and 4 x 10G SFP+ ports. There are also 2 x 40G QSFP+ ports for extremely fast fiber connections or linking with other 40 Gbps devices. The total non-blocking throughput is 168 Gbps, switching capacity is 336 Gbps and the forwarding rate reaches 235 Mpps.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS354-48G-4S+2Q+RM
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	98DX3257
Dimensions	297 x 443 x 44 mm
RouterOS license	5
Operating System	RouterOS v7 / SwitchOS
Size of RAM	128 MB
Storage size	32 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Number of PSU slots	2
Frequency (Hz)	50-60
Max power consumption	60 W
Max power consumption without attachments	50 W
Cooling type	3 fans

Ethernet

Details	
10/100 Ethernet ports	1
10/100/1000 Ethernet ports	48

Fiber

Details	
SFP+ ports	4
Number of 40G QSFP+ ports	2

Peripherals

Details	
Serial console port	RJ45

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• 2x IEC cords
• Cable managment brackets
• Rackmount ears (CRS)
• K-48 fastening set

MikroTik netPower Lite 7R

SKU: CSS610-1Gi-7R-2S+OUT
Type: simple
Categories: Cloud Smart Switch, MikroTik Products, Outdoor, Switch

Price: 33,641 kr

With netPower Lite 7R switch you can forget about expensive GPON base stations and optical splitters. This switch is a part of our GPEN concept – aimed to bring the speed and versatility of fiber networking while using the advantages of Ethernet. It is an easy to deploy, low-cost way for any ISP to deliver the Internet to individual apartments.

With this switch you won't have to worry about power issues, as there are many options. netPower Lite 7R has 7 reverse PoE ports. Depending on your setup, netPower can draw the necessary power even from a single client! Ethernet port 8 can power other PoE capable devices with the same voltage as applied to the unit. There is also a DC jack and a 2-pin terminal for alternative powering.

The outdoor enclosure allows you to install this switch in all kinds of environments – from damp attics to elevator shafts and different poles with hose clamps. netPower Lite 7R has a non-blocking throughput of 28 Gbps, switching capacity of 56 Gbps and forwarding rate of 41.7 Mpps.

Specifications

Details	
Product code	CSS610-1Gi-7R-2S+OUT
Switch chip model	88E6193X
Dimensions	304 x 212 x 71 mm
Operating System	SwitchOS Lite
Storage size	64 KB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	3 (DC jack, 2-pin terminal, PoE-IN)
DC jack input Voltage	12-57 V
2-pin terminal input Voltage	12-57 V
Max power consumption	29 W
Max power consumption without attachments	7 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	12-57 V

PoE-out

Details	
PoE-out ports	Ether8
PoE out	Passive PoE
Max out per port output (input 18-30 V)	600 mA
Max out per port output (input 30-57 V)	450 mA
Max total out (A)	600 mA

Ethernet

Details	
10/100/1000 Ethernet ports	8
Number of 1G Ethernet ports with Reverse PoE (PoE-in)	7
Number of 1G Ethernet ports with PoE-out	1

Fiber

Details	
SFP+ ports	2

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP54

Included parts

• K-66 fastening set
• Hose clamp 2

MikroTik CRS326-4C+20G+2Q+RM

SKU: CRS326-4C+20G+2Q+RM
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 237,527 kr

More offices, studios, and other professional environments are making the switch to the fast and reliable 2.5 Gigabit standard. So we wanted to create an affordable solution that could be at the heart of this everchanging landscape, making your life easier, saving your budget, and offering extra flexibility with excellent port-density and additional ultra-fast fiber interfaces. The new CRS326 offers all that and even more!

There are 20x 2.5 Gigabit Ethernet ports, 4x COMBO ports that can either be used as 4x additional 2.5 Gigabit Ethernet ports OR as 10G SFP+ interfaces, and on top of all that – there are 2x 40 Gigabit QSFP+ cages for ultra-fast fiber connectivity. Practical and future-proof!

The mighty Marvell Prestera switch-chip that comes with a dedicated CPU can handle all your daily tasks without breaking a sweat. VLAN's, Jumbo frames, link aggregation, ACL rules… You can even do some Layer3 routing!

Dual-redundant power supplies and an extra 100 Mbps Ethernet port for management purposes will save you a lot of troubles in the long run. And we've included everything you need to secure this marvelous switch in a standard 19" rackmount!

Like many MikroTik devices, this one was born out of necessity. Our video team needed a fast, cost■effective solution that would enable them to connect all the studio devices without the need for a dedicated rack – the studio has no extra space. They use the 2.5 Gigabit Ethernet ports to connect all the equipment, computers, extra screens and recorders, and so on. Then the four combo ports go to other departments in case they need to transfer some footage for review. One 40 Gigabit line goes to the NAS media server and another 40 Gigabit line goes to the editor's multimedia station where all the magic

happens. This is a wire■speed switch, so the team can get maximum speed on all the ports and make all the videos so much faster.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS326-4C+20G+2Q+RM
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	98DX8332
RouterOS license	6
Operating System	RouterOS v7
Size of RAM	128 MB
Storage size	32 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Number of PSU slots	2
Frequency (Hz)	50-60
Max power consumption	70 W
Max power consumption without attachments	51 W
Cooling type	2 fans

Ethernet

Details	
10/100 Ethernet ports	1
Number of 2.5G Ethernet ports	20
Number of Combo 10G Ethernet/ SFP+ ports	4* (2.5G ETH/10G SFP+)

Fiber

Details	
Number of 40G QSFP+ ports	2

Peripherals

Details	
Serial console port	RJ45

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• 2x IEC cords
• Rackmount ears
• Screw and feet kit (K10)

MikroTik netPower 15FR

SKU: CRS318-1Fi-15Fr-2S-OUT
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 41,017 kr

With netPower 15FR switch you can forget about expensive GPON base stations and optical splitters. This switch is a part of our GPEN concept - aimed to bring the speed and versatility of fiber networking while using the advantages of Ethernet. It is an easy to deploy, low-cost way for any ISP to deliver the Internet to individual apartments.

You don’t have to worry about power options in the attic or the utility room – netPower 15FR has 15 reverse PoE ports. Depending on your setup, netPower can draw the necessary power even from a single client! Ethernet port 15 can power other PoE capable devices with the same voltage as applied to the unit.

There are two SFP ports for fiber connectivity. The outdoor enclosure allows you to install this switch in all kinds of environments – from damp attics to elevator shafts and different poles with hose clamps. netPower 15FR – bringing the cost down and the speed up!

netPower 15FR has a non-blocking throughput of 3.6 Gbps, switching capacity of 7.2 Gbps and forwarding rate of 5.4 Mpps.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS318-1Fi-15Fr-2S-OUT
Architecture	ARM 32bit
CPU	98DX224S
CPU core count	1
CPU nominal frequency	800 MHz
Switch chip model	98DX224S
Dimensions	304 x 212 x 71 mm
RouterOS license	5
Operating System	RouterOS / SwitchOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	16 (PoE-IN, DC jack)
DC jack input Voltage	18-57 V
Max power consumption	29 W
Max power consumption without attachments	10 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	18-57 V (recommended 36-57V)

PoE-out

Details	
PoE-out ports	Ether15
PoE out	Passive PoE
Max out per port output (input 18-30 V)	0.75 A
Max out per port output (input 30-57 V)	0.5 A
Max total out (A)	0.75 A

Ethernet

Details	
10/100 Ethernet ports	16

Fiber

Details	
SFP ports	2

Other

Details	
CPU temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP54

Included parts

• Hose clamp 2
• K-66 fastening set
• DC to Terminal block adapter

MikroTik CRS106-1C-5S

SKU: CRS106-1C-5S
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 13,933 kr

The Cloud Router Switch 106-1C-5S is a desktop size smart switch, equipped with one Gigabit Ethernet / SFP combo port and five 1.25Gbps SFP cages. The package includes a power supply. Powered by a 400MHz CPU and 128MB RAM, it runs RouterOS with a L5 license and supports 11-30V power.

At $59 this product provides a market-leading solution for connecting up to six SFP devices.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS106-1C-5S
Architecture	MIPSBE
CPU	QCA8511
CPU core count	1
CPU nominal frequency	400 MHz
Switch chip model	QCA8511
Dimensions	114 x 137 x 29mm
RouterOS license	5
Operating System	RouterOS
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-20°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	11-30 V
Max power consumption	11 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	11-30 V

Ethernet

Details	
Ethernet Combo ports	1

Fiber

Details	
SFP ports	5

Peripherals

Details	
Serial console port	RJ45

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• 24V 0.8A power adapter

MikroTik CRS510-8XS-2XQ-IN

SKU: CRS510-8XS-2XQ-IN
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 237,527 kr

Remember our sensational 100 Gigabit switches – the CRS504 and CRS518? It's time for another breathtaking addition to the MikroTik 100 Gigabit product family: the versatile **CRS510-8XS-2XQ-IN!**

This handy switch has **two 100 Gigabit QSFP28 ports and eight 25 Gigabit SFP28 ports.** This combination of ports guarantees a perfect fit in almost any setup or server room. Various direct attach cables, active optical cables, copper RJ45's… **CRS510 will keep everything connected! You'll save time, money, and precious nerve cells with the backward compatibility.** This unit supports all sorts of devices – 40 Gigabit, 25 Gigabit, 10 Gigabit, and even older Gigabit connections. And – speaking of nerve cells – we've kept the sysadmin's emergency tool: the good old **console port**.

Another reason why we love the new CRS510 (and you will too!) is the performance. It can handle **VLANs, ACL, MLAG, Jumbo frames, and so much more – even some L3 hardware offloading!** The mighty Marvell Prestera switch chip dominates most tasks without blowing the **power consumption** up – only **up to 27W** (without attachments).

And when it comes to powering – CRS510 is a real joy to work with. It has **dual hot-swap power supplies** and three other powering options: **PoE-in, DC jack, and a 2-pin terminal**. No more unnecessary downtimes!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS510-8XS-2XQ-IN
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	98DX4310
RouterOS license	5
Operating System	RouterOS v7
Size of RAM	128 MB
Storage size	32 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Number of DC inputs	3 (DC jack, PoE-IN, 2-pin terminal)
DC jack input Voltage	36-57 V
Number of PSU slots	2
2-pin terminal input Voltage	36-57 V
Frequency (Hz)	47-63
Max power consumption	45 W
Max power consumption without attachments	27 W
Cooling type	2 fans
PoE in	802.3 bt
PoE in input Voltage	42.5-57 V

Ethernet

Details	
10/100 Ethernet ports	1

Fiber

Details	
Number of 25G SFP28 ports	8
Number of 100G QSFP28 ports	2

Peripherals

Details	
Serial console port	RJ45

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• IEC cord
• IEC cord
• Rack ears for CRS510
• K10 screw kit
• Connector plug

MikroTik CSS326-24G-2S+RM

SKU: CSS326-24G-2S+RM
Type: simple
Categories: Cloud Router Switch, MikroTik Products, Switch

Price: 38,398 kr

Cloud Smart Switch 326-24G-2S+RM is SwOS powered 24 port Gigabit Ethernet switch with two SFP+ ports in 1U rackmount case that provides wire speed connectivity with several new switching features.

It gives you all the basic functionality for a managed switch, plus more: allows to manage port-to-port forwarding, apply MAC filter, configure VLANs, mirror traffic, apply bandwidth limitation
and even adjust some MAC and IP header fields. SFP cage supports both 1.25 Gb SFP and 10 Gb SFP+ modules.

Specifications

Details	
Product code	CSS326-24G-2S+RM
Switch chip model	98DX3216
Dimensions	443 x 144 x 44 mm
Operating System	SwOS
Storage size	2 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	10-30 V
Max power consumption	19 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-30 V

Ethernet

Details	
10/100/1000 Ethernet ports	24

Fiber

Details	
SFP+ ports	2

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• Rack ears
• 24V 1.2A power adapter
• Screw set (4)

MikroTik netPower 16P

SKU: CRS318-16P-2S+OUT
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products, Outdoor

Price: 66,263 kr

Powering a bunch of access points or IP cameras and a few uplinks on a tower has never been easier. netPower 16P has 16 Gigabit Ethernet ports with PoE-out and two SFP+ ports for 10G fiber uplinks.

Its sturdy and compact outdoor enclosure allows the switch to be mounted in all kinds of environments – from damp attics and shafts to towers, masts and poles with hose clamps.

netPower 16P has a non-blocking throughput of 36 Gbps, switching capacity of 72 Gbps and forwarding rate of 53.6 Mpps.

Device itself does not have an onboard voltage converter. You need 24V PSU to have 24V PoE out and/or 48V PSU to have 48V PoE out (IEEE 802.3 at/af).

* Power supply is NOT included with the product. You are welcome to use your preferred power option, like battery pack etc. Compatible also with MikroTik power supplies 24HPOW, MTP250-53V47-OD, MTP250-26V94-OD, 48POW and 48V2A96W

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS318-16P-2S+OUT
Architecture	ARM 32bit
CPU	98DX226S
CPU core count	1
CPU nominal frequency	800 MHz
Switch chip model	98DX226S
Dimensions	303 x 212 x 78 mm
RouterOS license	5
Operating System	RouterOS / SwitchOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack)
DC jack input Voltage	18-30 V / 48-57 V
Max power consumption	316 W
Max power consumption without attachments	16 W
Cooling type	Passive

PoE-out

Details	
PoE-out ports	Ether1-Ether16
PoE out	802.3af/at
Max out per port output (input 18-30 V)	1.1 A
Max out per port output (input 30-57 V)	0.6 A
Max total out (A)	2.8A (18V-30V) & 1.4A (48V-57V) x2

Ethernet

Details	
10/100/1000 Ethernet ports	16
Number of 1G Ethernet ports with PoE-out	16

Fiber

Details	
SFP+ ports	2

Other

Details	
CPU temperature monitor	Yes
Voltage Monitor	Yes

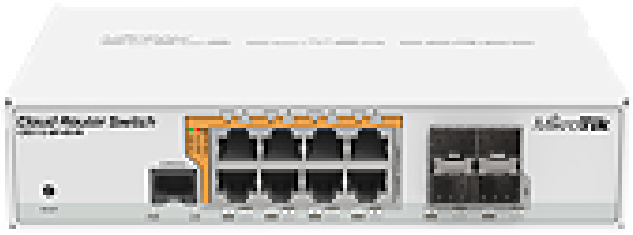
Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP54

Included parts

• Hose clamp 2
• K-66 fastening set
• DC to Terminal block adapter x2

MikroTik CRS112-8P-4S-IN



SKU: CRS112-8P-4S-IN
Type: simple
Categories: Cloud Router Switch, MikroTik Products, Switch

Price: 50,631 kr

CRS112-8P-4S-IN is an eight Gigabit RJ45 port PoE switch, that offers different power output options: autosensing 802.3af/at PoE/PoE+ and Passive PoE, and four SFP ports provide optical fiber connectivity options to support uplinks of up to 1 Gbps.

CRS112-8P-4S-IN is equipped with 12 independent switching ports. 28 V 3.4 A power supply is already included in the box. There is secondary DC jack on the back of the enclosure that supports 48-57 V power supply (not included, can be purchased separately - product codes 48POW (1.46A 70W) and 48V2A96W (2A 96W)). CRS112-8P-4S-IN can power 802.3af/at devices if 48-57 V DC input is used (unit will automatically detect and provide correct power to devices). Max current is 1 A per port if input voltage is 18-28 V, 450 mA if 48-57 V. Total limit is 2.8A@24V and 1.4A@48-57V. PoE-Out is passed over mode B 4,5 (+) and 7,8 (-) pins

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS112-8P-4S-IN
Architecture	MIPSBE
CPU	QCA8511
CPU core count	1
CPU nominal frequency	400 MHz
Switch chip model	QCA8511
Dimensions	200 x 142 x 44 mm
RouterOS license	5
Operating System	RouterOS
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C

Powering

Details	
Number of DC inputs	2 (DC jack)
DC jack input Voltage	18-28 V / 48-57 V
Max power consumption	160 W
Max power consumption without attachments	10 W
Cooling type	Passive

PoE-out

Details	
PoE-out ports	Ether1-Ether8
PoE out	802.3af/at
Max out per port output (input 18-30 V)	1 A
Max out per port output (input 30-57 V)	450 mA
Max total out (A)	2.8A (18V-28V) & 1.4A (48V-57V) A

Ethernet

Details	
10/100/1000 Ethernet ports	8
Number of 1G Ethernet ports with PoE-out	8

Fiber

Details	
SFP ports	4

Peripherals

Details	
Serial console port	RJ45

Other

Details	
PCB temperature monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• IEC cord
• 28V 3.4A power adapter
• Ears
• K-48 fastening set

MikroTik CRS326-24G-2S+IN

SKU: CRS326-24G-2S+IN
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 49,613 kr

A home network setup doesn't have to be a compromise. This compact and quiet switch is packing some serious server room grade features: a pair of 10G SFP+ cages, 512 MB of RAM, 24 Gigabit Ethernet ports and a sufficient built-in CPU that can handle basic home user needs such as firewall, NAT and even some VPN. And it is extremely affordable – we are keeping the price on par with the previous generation desktop switches!

Like many other MikroTik switches, CRS326-24G-2S+IN offers the dual boot option that allows you to use either the lightweight SwOS or the advanced RouterOS. The compact and quiet fanless desktop case makes this switch the perfect addition to the best home setups. And it is very easy to transport! But make no mistake – this small switch has all the power and features of its bigger rackmount analogue – the CRS326-24G-2S+RM, nothing has been removed!

CRS326-24G-2S+IN provides all the basic functionality for a managed switch, and even more: port-to- port forwarding, MAC filtering, VLAN configuration, traffic mirroring, bandwidth limitation and even adjust some MAC and IP header fields. SFP+ cage supports both 1.25G SFP and 10G SFP+ modules.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS326-24G-2S+IN
Architecture	ARM 32bit
CPU	98DX3236
CPU core count	1
CPU nominal frequency	800 MHz
Switch chip model	98DX3236
Dimensions	285 x 144 x 44 mm
RouterOS license	5
Operating System	RouterOS / SwitchOS
Size of RAM	512 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 60°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	10-30 V
Max power consumption	21 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-30 V

Ethernet

Details	
10/100/1000 Ethernet ports	24

Fiber

Details	
SFP+ ports	2

Peripherals

Details	
Serial console port	RJ45

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• 24V 1.2A power adapter

MikroTik CRS312-4C+8XG-RM

SKU: CRS312-4C+8XG-RM
Type: simple
Categories: Cloud Router Switch, MikroTik Products, Switch

Price: 167,866 kr

Remove the bottleneck from your network setup – it is time to upgrade that 1 Gigabit switch to something truly powerful and enjoy real speed. Introducing CRS312-4C+8XG-RM – our first product with 10G RJ45 Ethernet ports. Moreover, it also has 4 x 10G combo ports: use them for 10G RJ45 Ethernet or 10G SFP+, when you need an additional fiber connection. Combo ports can be used alongside the 8 regular 10G RJ45 Ethernet ports at all times. These ports can also be software selected, so you can use RouterOS scripting, to decide which combo ports will be active.

This device is a practical solution for those who work with huge data files and need fast, capable connection 24/7: multimedia production, scientific research, game development, big data analysis and so on. CRS312-4C+8XG-RM has a dual power supply for redundancy – no unexpected downtime when the deadlines are looming. It has a full size USB, a console port for configuration and a 1U rackmount case – fits all the standard racks.

You can choose between our legendary feature-packed RouterOS for booting or a simpler, but still powerful SwOS. If you would like the ability to use routing and other Layer 3 features in your CRS, use RouterOS.

This switch has a great total non-blocking throughput of 120 Gbps, switching capacity of 240 Gbps and forwarding rate of 178 Mpps. CRS312-4C+8XG-RM – built for professionals, great for everyone!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS312-4C+8XG-RM
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	98DX8212
Dimensions	443 x 183 x 44 mm
RouterOS license	5
Operating System	RouterOS v7 / SwitchOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-30°C to 70°C

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Max power consumption	60 W
Cooling type	4 fans

Ethernet

Details	
10/100 Ethernet ports	1
Number of Combo 10G Ethernet/ SFP+ ports	4
Number of 1G/2.5G/5G/10G Ethernet ports	8

Peripherals

Details	
Serial console port	RJ45
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
CPU temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS

Included parts

• 2x IEC cords
• Rack ears

• K-57 kit

MikroTik CRS304-4XG-IN

SKU: CRS304-4XG-IN
Type: simple
Categories: Cloud Router Switch, MikroTik Products, Switch

Price: 47,233 kr

Introducing the CRS304-4XG-IN – a compact yet highly capable 10 Gigabit Ethernet switch designed to simplify your network setup routine. Unlike typical 10 Gigabit products, the new CRS304 is equipped with four ready-to-use 10 Gigabit Ethernet ports straight out of the box. That’s right – you don’t need any extra SFP modules, just pure plug-and-play! Also, there is an additional Gigabit Ethernet port – for management purposes.

Innovative Design Meets Silent Operation

The CRS304 features an enclosure that doubles as a robust, lightweight heat sink, eliminating the need for active cooling. This fanless design ensures silent operation, making it ideal for any environment where noise is a concern – offices, libraries, or even your bedroom homelab! The sturdy form-factor provides a premium feel, balancing comfortable weight and durability, all at an accessible price point.

Versatile Mounting Options

This switch includes a convenient DIN rail mount on the side and standard screw attachment points on the back, allowing for seamless integration literally anywhere. Furthermore, the side DIN rail mount can be moved to the back of the switch.

Multiple Powering Options for Ultimate Reliability

Power redundancy is a key feature of the CRS304. It offers four different power input options: two DC jacks, a 2-pin terminal, and PoE-in. The switch automatically selects the power source with the highest voltage, ensuring uninterrupted operation.

Small Frame, Big Game

Powered by a dual-core ARM CPU and the mighty Marvell Prestera switch chip, the CRS304 delivers exceptional performance for its tiny size. Port-to-port forwarding, broadcast storm control, MAC filtering, VLANs, traffic mirroring, bandwidth limitations, and even some Layer 3 hardware offloading – not a problem for the CRS304-4XG-IN!

Your Backpack Server Room

The CRS304's small form factor and enhanced durability make it an ideal choice for both stationary and mobile applications. Place it on your desk or keep it in your backpack for on-the-go networking – this is a must-have switch for any network administrator.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS304-4XG-IN
Architecture	ARM 64bit
CPU	98DX2528
CPU core count	2
CPU nominal frequency	1200 MHz
Switch chip model	98DX2528
RouterOS license	5
Operating System	RouterOS v7
Size of RAM	512 MB
Storage size	32 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	4 (2-pin terminal, DC jack, PoE-IN)
DC jack input Voltage	12-57 V / 12-57 V
2-pin terminal input Voltage	12-57 V
Max power consumption	21 W
Max power consumption without attachments	15 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	36-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	1
Number of 1G/2.5G/5G/10G Ethernet ports	4

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• 48 V 0.95 A power adapter
• Fastening set with DIN

MikroTik CRS504-4XQ-OUT

SKU: CRS504-4XQ-OUT
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products, Outdoor

Price: 213,740 kr

Should high-quality 100 Gigabit connectivity be limited to indoors only? Definitely not! That's why we created the **CRS504-4XQ-OUT: a versatile, cost-effective, ultra-fast weatherproof switch for all your outdoor needs.**

At the core of this masterpiece, we have an incredible **Marvell Prestera switch chip**. And there are **four 100 Gigabit QSFP28 ports**. Use them to connect other 100 Gigabit devices or grab a breakout cable to connect multiple 25 Gigabit devices. Here's where the speedy switch chip really shines: each port is connected to four 25 Gigabit lines. That means you're getting up to 16 high-speed fiber interfaces from a single outdoor switch! You can mix and match all kinds of connections this way: 100 Gigabits on one port, 40 Gigabits on the other, 4x25 Gigabits on the third, and maybe even some 10G or 1G cables on the fourth. And all this versatility comes in a **sturdy, weatherproof IP66-rated enclosure**. This rating proves it's strong enough to handle powerful water jets from any direction!

When it comes to outdoor event planning, you can never be too prepared. So having **multiple powering options** is a must! And CRS504-4XQ-OUT has got you covered: there's a **standard DC jack, a 2-pin terminal, and 802.3bt PoE-in.** We've also kept the good old **management and console ports** – to help you deal with any unexpected situations.

Performance-wise, CRS504-4XQ-OUT is a real workhorse that **can handle VLANs, ACL, MLAG, Jumbo frames, and so much more – even some L3 hardware offloading!** The mighty Marvell Prestera switch chip dominates most tasks without blowing the power consumption up – only up to 25W (without attachments).

Stop waiting for the perfect weather – invest in the perfect tools!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS504-4XQ-OUT
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	98DX4310
RouterOS license	5
Operating System	RouterOS v7
Size of RAM	128 MB
Storage size	32 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	3 (DC jack, PoE-IN, 2-pin terminal)
DC jack input Voltage	36-57 V
2-pin terminal input Voltage	36-57 V
Max power consumption	44 W
Max power consumption without attachments	25 W
Cooling type	Passive
PoE in	802.3 bt
PoE in input Voltage	43-57 V

Ethernet

Details	
10/100 Ethernet ports	1

Fiber

Details	
Number of 100G QSFP28 ports	4

Peripherals

Details	
Serial console port	RJ45

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	66

Included parts

• 48 V 0.95 A power adapter
• Gigabit PoE injector
• Hose clamp 2
• K-41 fastening set
• K-72 fastening set

MikroTik CSS610-8G-2S+IN

SKU: CSS610-8G-2S+IN
Type: simple
Categories: Cloud Smart Switch, MikroTik Products, Switch

Price: 28,204 kr

Cloud Smart Switch 610-8G-2S+IN is our answer to the everlasting demand for more power in a small and simple package. It comes with the lightweight SwOS which is easy to configure from your web browser. It gives you all the basic functionality for a managed switch, and more: you can manage port-to-port forwarding, broadcast storm control, apply MAC filters, configure VLANs, mirror traffic, apply bandwidth limitation and even adjust some MAC and IP header fields.

Specifications

Details	
Product code	CSS610-8G-2S+IN
Switch chip model	88E6193X
Dimensions	200 x 164 x 44 mm
Operating System	SwitchOS Lite
Storage size	64 KB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	11 W
Max power consumption without attachments	5 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	12-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	8

Fiber

Details	
SFP+ ports	2

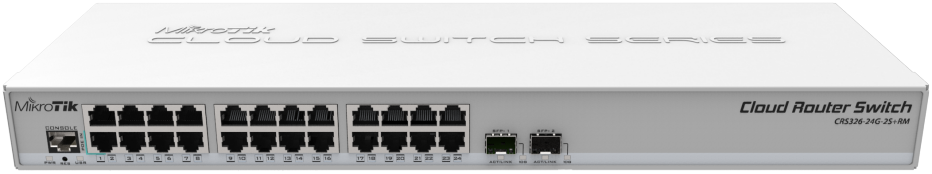
Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• 24V 0.8A power adapter
• K-48 fastening set
• Rack ears for CSS610-8G-2S+IN

MikroTik CRS326-24G-2S+RM



SKU: CRS326-24G-2S+RM
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 50,631 kr

SwOS/RouterOS powered 24 port Gigabit Ethernet switch with two SFP+ ports, wire speed connectivity with several new switching features!

It has “Dual boot” feature that allows you to choose which operating system you prefer to use, RouterOS or SwOS. If you prefer to have a simplified switch only OS with more switch specific features, use SwOS. If you are used to Winbox and would like the ability to use routing and other Layer 3 features on some ports in your CRS, boot and use RouterOS. You can select the desired operating system from RouterOS, from SwOS or from the RouterBOOT loader settings.

It gives you all the basic functionality for a managed switch, plus more: allows to manage port-to-port forwarding, apply MAC filter, configure VLANs, mirror traffic, apply bandwidth limitation and even adjust some MAC and IP header fields. SFP cage supports both 1.25 Gb SFP and 10 Gb SFP+ modules.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS326-24G-2S+RM
Architecture	ARM 32bit
CPU	98DX3236
CPU core count	1
CPU nominal frequency	800 MHz
Switch chip model	98DX3236
Dimensions	443 x 144 x 44 mm
RouterOS license	5
Operating System	RouterOS / SwitchOS
Size of RAM	512 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 60°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	10-30 V
Max power consumption	24 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-30 V

Ethernet

Details	
10/100/1000 Ethernet ports	24

Fiber

Details	
SFP+ ports	2

Peripherals

Details	
Serial console port	RJ45

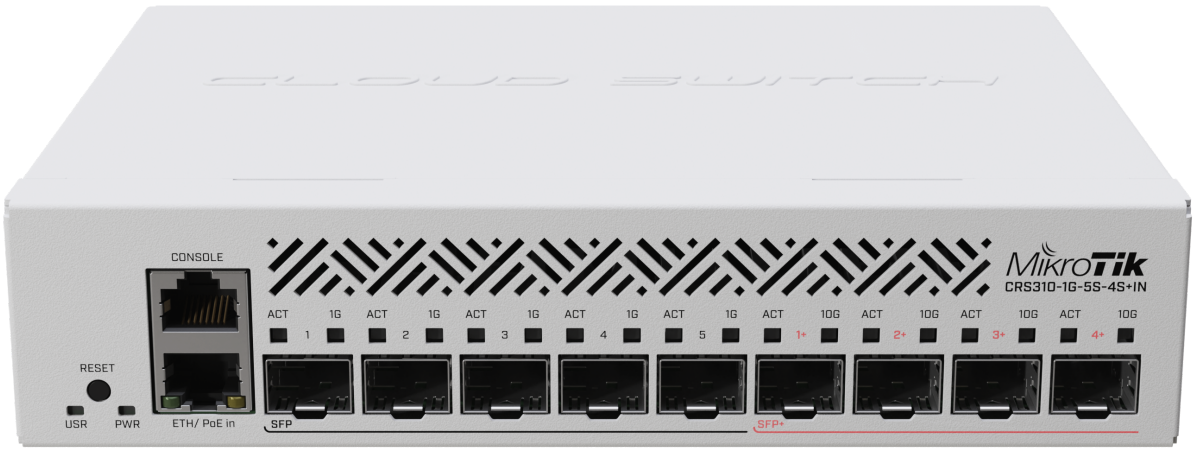
Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• 24V 1.2A power adapter
• Rack ears
• Screw set

MikroTik CRS310-1G-5S-4S+IN



SKU: CRS310-1G-5S-4S+IN
Type: simple
Categories: Cloud Router Switch, L3 Switch, MikroTik Products

Price: 47,233 kr

This switch is an indoor variation of the prominent netFiber 9 switch – used by many small and medium ISPs for reliable 10 Gigabit fibre connections stretching over a 100 meters. With **five 1G SFP** ports, **four 10G SFP+** ports, and an additional **Gigabit Ethernet** port, this is the perfect upgrade for existing CRS212 setups. You're getting the modern ARM v7 CPU, 256 MB of RAM, and better cooling. The new Marvell switch-chips bring phenomenal performance to the table!

The Gigabit Ethernet port has a direct connection to the switch chip – so you can enjoy full gigabit speed there. And it supports PoE-in, giving you an additional powering option in tricky spots.

You can mount this switch in a standard 1U rack to keep everything organized. And it has all the power you would expect from a rackmount device: **CRS310 supports hardware offloaded VLAN- filtering. And even some hardware offloaded Layer-3 routing.**

CRS310-1G-5S-4S+IN is a fantastic tool for anyone working with indoor connections over 100 meters while keeping data loss and ping low. Optical fiber can be a great alternative to copper if you are worried about electromagnetic interference, tampering or eavesdropping.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS310-1G-5S-4S+IN
Architecture	ARM 32bit
CPU	98DX226S
CPU core count	1
CPU nominal frequency	800 MHz
Switch chip model	98DX226S
Dimensions	200 x 166 x 44 mm
RouterOS license	5
Operating System	RouterOS v7 / SwitchOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (PoE-IN, DC jack)
DC jack input Voltage	18-57 V
Max power consumption	20 W
Max power consumption without attachments	8 W
Cooling type	1 fan
PoE in	802.3af/at
PoE in input Voltage	18-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	1

Fiber

Details	
SFP ports	5
SFP+ ports	4

Peripherals

Details	
Serial console port	RJ45

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• K-48 fastening set
• Ears
• 24V 1.2A power adapter

MikroTik RB260GSP

SKU: CSS106-1G-4P-1S
Type: simple
Categories: Cloud Smart Switch, MikroTik Products, SOHO, Switch

Price: 13,252 kr

The RB260GSP is a small SOHO switch, which features power output on it's ethernet ports. Ports 2-5 can power other PoE capable devices with the same voltage as applied to the unit (passive PoE over datalines only).

The RB260GSP has five Gigabit Ethernet ports and one SFP cage, switching is done by an Atheros Switch Chip.

The device is running an operating system designed specifically for MikroTik Switch products - SwOS.

Specifications

Details	
Product code	CSS106-1G-4P-1S
Switch chip model	QCA8337
Dimensions	113x139x28mm
Operating System	MikroTik SwOS
Storage size	128 KB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-20°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	11-30 V
Max power consumption	53 W
Max power consumption without attachments	5 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	11-30 V

PoE-out

Details	
PoE-out ports	Ether2-Ether5
PoE out	Passive PoE
Max out per port output (input 18-30 V)	1 A
Max total out (A)	2 A

Ethernet

Details	
10/100/1000 Ethernet ports	5

Fiber

Details	
SFP DDMI	Yes
SFP ports	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• 24V 2.5A power adapter
• IEC cord

MikroTik FiberBox Plus

SKU: CRS305-1G-4S+OUT
Type: simple
Categories: Cloud Core Router, MikroTik Products, Outdoor, Router

Price: 54,370 kr

There are two ways to look at the brand new Fiber Box Plus. On the one hand, it's **a massive upgrade** of our previous FiberBox devices. This version features a **modern ARM CPU, more RAM, and four 10-Gigabit SFP+ ports.** Fast and reliable connectivity on a budget. Without the distance limitations of Ethernet. There's also a **Gigabit Ethernet** port for management purposes or **PoE-in** powering. We've also included a **2-pin terminal and a standard DC jack**, so you have **3 different power options** to choose from. FiberBox Plus supports a wide input voltage range of 24-57V. And it is remarkably efficient: maximum power consumption (without attachments) is only 7W.

Another way to look at the new FiberBox Plus – it's a budget version of the amazing netFiber 9. You can save a lot of money if you don't need the extra Gigabit SFP ports. It even features the same **impressive Marvell 98DX226S switch-chip**, so the performance is definitely there!

This rugged outdoor switch is perfect for connecting mast devices. Like the mANTBox 52 or the LHG XL 52. Imagine a huge campsite with several guest houses, a food court, and the owner's cabin. You can connect all the locations with the FiberBox Plus. One of the fiber connections can be used for the mANTBox base station – to provide general connectivity for the guests. Another connection could go to the owner's house. And the third could be used in the food court – to connect their payment and inventory servers.

Usually, you would need some kind of a junction box to keep everything safe. But our FiberBox Plus comes with a **solid water resistance rating of IP66**. That means **protection against powerful water jets from any direction.** So in the campsite scenario, your setup is not only safe from all kinds of crazy weather, but it can also withstand young pranksters with a garden hose. Not to mention damp basements, elevator shafts, seaport infrastructure, and so on. With FiberBox Plus, you have nothing to worry about.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CRS305-1G-4S+OUT
Architecture	ARM 32bit
CPU	98DX226S
CPU core count	2
CPU nominal frequency	800 MHz
Switch chip model	98DX226S
RouterOS license	5
Operating System	RouterOS v7 / SwOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	3 (DC jack, PoE-IN, 2-pin terminal)
DC jack input Voltage	24-57 V
2-pin terminal input Voltage	24-57 V
Max power consumption	17 W
Max power consumption without attachments	7 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	42-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	1

Fiber

Details	
SFP+ ports	4

Peripherals

Details	
Serial console port	RJ45

Other

Details	
CPU temperature monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP66

Included parts

• 48 V 0.95 A power adapter
• K-41 fastening set
• K-72 fastening set
• Gigabit PoE injector
• Hose clamp 2

MikroTik CCR2216-1G-12XS-2XQ

SKU: CCR2216-1G-12XS-2XQ
Type: simple
Categories: Biz Router, Cloud Core Router, MikroTik Products, Router

Price: 662,629 kr

Start your 100 Gigabit journey with our new flagship product: the Cloud Core Router 2216! Its **powerful 16-core CPU** can trade blows with the mighty 72-core Tile CPU of our previous flagship - the CCR1072.

But the exceptional **Marvell Prestera Aldrin2 switch-chip** really takes it to the next level with **L3 Hardware Offloading**! Our previous CCR2116 featured a switch-chip with four 10G CPU connection lines, but this time there are four 25G lines!

There are **2x QSFP28** cages for blazing-fast 100 Gigabit connectivity, **12x SFP28** cages for 25 Gigabit networking, and a **Gigabit Ethernet** port. The device comes with **16 GB of RAM**, decent NAND storage, and **two M.2 SATA slots** for additional storage. There are four hot-swappable fans, as well as dual-redundant hot-swap power supplies. And these PSUs might look familiar if you have used our CCR1072 before: you can keep using your previous hot-swap power supplies and SFP modules.

You’re saving time and money on accessories, while also getting better performance with lower power consumption.. **This is the perfect drop-in upgrade for existing CCR1072 setups!**

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CCR2216-1G-12XS-2XQ
Architecture	ARM 64bit
CPU	AL73400
CPU core count	16
CPU nominal frequency	2000 MHz
Switch chip model	98DX8525
Dimensions	443 x 367 x 44 mm
RouterOS license	6
Operating System	RouterOS v7
Size of RAM	16 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Number of PSU slots	2
Frequency (Hz)	50-60
Max power consumption	128 W
Max power consumption without attachments	80 W
Cooling type	4 fans

Ethernet

Details	
10/100/1000 Ethernet ports	1

Fiber

Details	
Number of 25G SFP28 ports	12
Number of 100G QSFP28 ports	2

Peripherals

Details	
Serial console port	RJ45
Number of M.2 slots	2

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

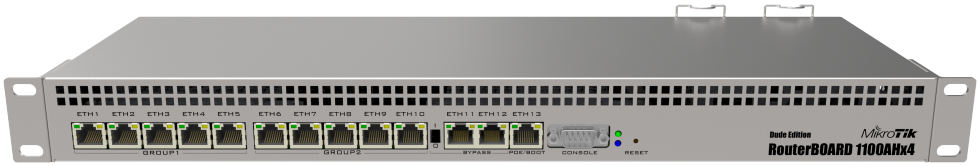
Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• IEC cord
• IEC cord
• Rackmount ears
• Cable managment brackets
• K-82 fastening set
• Rackmount rear support ears (2/2)

MikroTik RB1100AHx4 Dude Edition



SKU: RB1100Dx4
Type: simple
Categories: Biz Router, MikroTik Products, Router, Router Board

Price: 93,448 kr

New RB1100AHx4 Dude Edition has Annapurna Alpine AL21400 CPU with four Cortex A15 cores clocked at 1.4GHz each, for a maximum throughput of up to 7.5Gbps. The device supports IPsec hardware acceleration and is faster at it than any previous RouterBOARD device (up to 2.2Gbps with AES128).

Unit comes with 1U rackmount case, 13x Gigabit Ethernet ports, RS232 serial port and dual redundant power supplies (with -48v DC telecom power and 802.3at/af support). The RB1100AHx4 Dude edition features several high speed storage connectors (two SATA and two M.2) for using a Dude database, proxy cache or any other storage intensive feature. It includes a 60GB M.2 drive already installed.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB1100Dx4
Architecture	ARM 32bit
CPU	AL21400
CPU core count	4
CPU nominal frequency	1.4 GHz
Switch chip model	RTL8367
Dimensions	443 x 148 x 44 mm
RouterOS license	6
Operating System	RouterOS
Size of RAM	1 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of AC inputs	2
Number of DC inputs	2 (2-pin terminal, PoE-IN)
2-pin terminal input Voltage	-48, 20-57 V
Max power consumption	33 W
Max power consumption without attachments	25 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	20-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	13

Peripherals

Details	
Extended storage	60GB M.2 SSD included
Memory card type	microSD
Memory Cards	1
SATA ports	2x SATA3
Serial console port	RS232
Number of M.2 slots	2

Other

Details	
Current Monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• SATA cables
• Rack ears
• M.2 SSD 60GB
• Screw and feet kit (K10)
• 2x IEC cords

MikroTik hEX lite

SKU: RB750r2
Type: simple
Categories: ! Featured Products !, MikroTik Products, Router, Router Board, SOHO

Price: 10,177 kr

hEX lite is a small five port ethernet router in a nice plastic case.

Its price is lower than the RouterOS license alone - there simply is no choice when it comes to managing your wired home network, the RB750r2 (hEX lite) has it all.

Not only it’s affordable, small, good looking and easy to use - It’s probably the most affordable MPLS capable router on the market! No more compromise between price and features - RB750r2 has both. With its compact design and clean looks, it will fit perfectly into any SOHO environment.

Box contains: hEX lite in a plastic case, power supply

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB750r2
Architecture	MIPSBE
CPU	QCA9533
CPU core count	1
CPU nominal frequency	850 MHz
Switch chip model	QCA9533
Dimensions	113x89x28mm. Weight without packaging and cables: 129g
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	6-30 V
Max power consumption	2 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	6-30 V

Ethernet

Details	
10/100 Ethernet ports	5

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• 24V 0.38A power adapter

MikroTik PowerBox

SKU: RB750P-PBr2
Type: simple
Categories: MikroTik Products, Outdoor, Router, Router Board

Price: 16,310 kr

The PowerBox is an outdoor five Ethernet port router with PoE output on four ports. You can use this device to supply power to four PoE capable devices such as our SXT or others.

Since the device has a waterproof outdoor case, you can mount it on a tower, or in other outdoor locations.

The unit has five shielded Ethernet ports, four of which can power other PoE capable devices with the same voltage as applied to the unit (max current out is 1A per port, max total out is 2A). Less power adapters and cables to worry about!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB750P-PBr2
Architecture	MIPSBE
CPU	QCA9533
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9533
Dimensions	125x178x48mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	8-30 V
Max power consumption	50 W
Max power consumption without attachments	2 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	8-30 V

PoE-out

Details	
PoE-out ports	Ether2-Ether5
PoE out	Passive PoE
Max out per port output (input 18-30 V)	1 A
Max total out (A)	2 A

Ethernet

Details	
10/100 Ethernet ports	5

Other

Details	
Current Monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

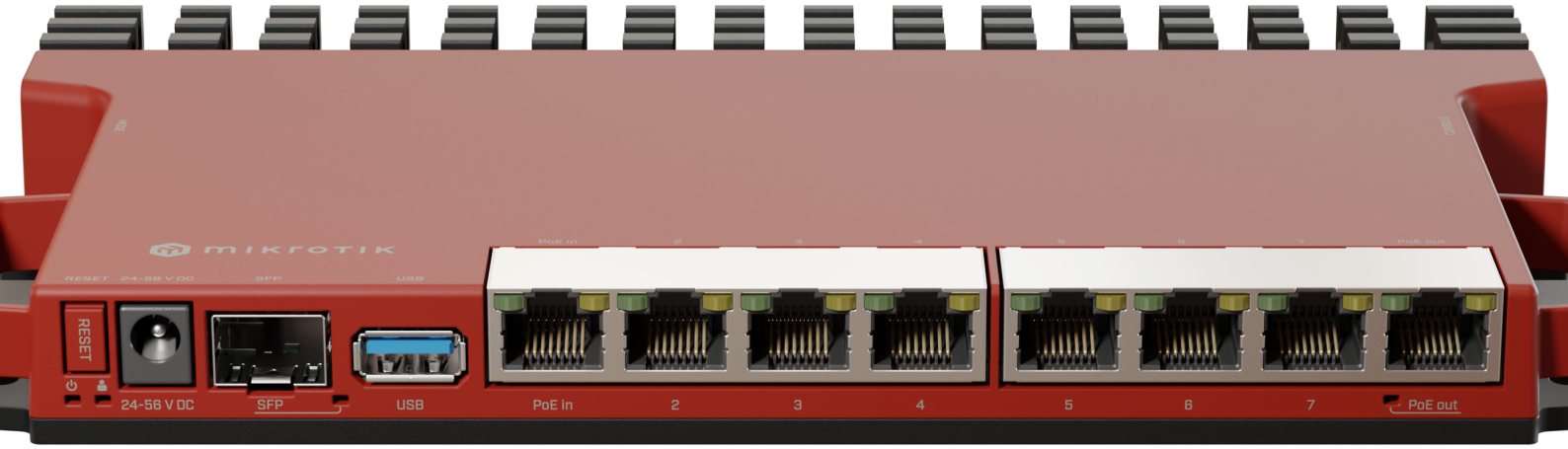
Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• IEC cord
• Metal ring (one)
• PoE injector
• 24V 2.5A power adapter
• DIN mount (K-27)

MikroTik L009UiGS-RM



SKU: L009UiGS-RM
Type: simple
Categories: Biz Router, MikroTik Products, Router

Price: 28,204 kr

The legendary RB2011 product line has provided affordable, flexible, and robust connectivity for over a decade. In fact, it was our very first router with SFP. Finally, it's time for an upgrade. But don't worry: we've kept and improved all the key elements and features of the beloved RB2011. Even the red color scheme and the appealing price!

There are three main reasons to choose the L009: better performance, more features, and some interesting quality-of-life improvements. Let's start with the raw power and performance improvements.

L009 features a **powerful dual-core ARM CPU**. It offers significant improvement when it comes to routing and filtering, complex firewall rules, IPsec hardware encryption, and various advanced RouterOS features. ARM CPU architecture provides significant advantages over older MIPS-based devices. Like using all the latest Linux Kernel features. Or implementing your own container projects. **The combination of a modern ARM CPU and a full-sized USB port is perfect for running custom container projects.** You could run a Pi-hole adblock on this router, for example. Or you could use the USB to add an LTE modem of your choice. Imagination is the real limit here.

L009 is up to 4 times faster than RB2011 in most cases and setups, from simple fast path routing to complex bridge filters. And L009 IPsec hardware encryption ensures lower CPU usage without measurable performance degradation compared to the regular driver. You can expect around 60-90 Mbps throughput using a 1400 byte packet size.

All the ports are now Gigabit Ethernet ports. There's PoE-in on the first port. You can use it instead of the DC jack to power the unit. And there's PoE-Out* on the last port – for powering other devices. Another helpful addition is an **SFP cage that supports both Gigabit and 2.5 Gigabit connectivity**. We have

tested a variety of MikroTik SFP modules and cables that support higher speeds – the 2.5G capability makes a sysadmin's life so much easier– **there's a console port for quick direct-access configuration!**

At the heart of it all we have a speedy Marvell Peridot Switchchip which offers an impressive 2.5 Gigabit full duplex connection to the CPU to all the ports except Ether1. The first port has its own Gigabit full duplex line to the CPU. That means – countless configurations with no bottlenecks!

The new enclosure is a spectacular innovation on its own. It's the same form-factor you might have seen with our highly sought-after RB5009 devices. It has several extremely useful properties. First of all, **the case acts as a massive heat-sink**, protecting your setups from overheating. But here's the fun part: **it comes with everything you need to fit up to four of these routers in a single 1U rackmount space.**

Here at MikroTik, we're the world champions of server room tetris. So here's our latest lifehack for the most efficient server rooms: grab an RB5009 with PoE-out ports. And mount it together with seven L009 routers in just two 1U rackmount spaces. You'll become a living legend among system administrators, setting a new example of efficient space management and simple, reliable powering.
This RM version of L009 is almost the same as the IN version – except for the 2.4 GHz wireless. It comes with all the necessary mounting accessories and allows you to cut costs even further.

RB2011 will always remain a networking legend, but it's time to take it up a notch. **And the L009 product line is the perfect upgrade that will help you save time, money, and server room space like never before!**

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	L009UiGS-RM
Architecture	ARM
CPU	IPQ-5018
CPU core count	2
CPU nominal frequency	800 MHz
Switch chip model	88E6190
RouterOS license	5
Operating System	RouterOS v7
Size of RAM	512 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	24-56 V
Max power consumption	40 W
Max power consumption without attachments	8 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	24-56 V

PoE-out

Details	
PoE-out ports	Ether8
PoE out	Passive PoE
Max out per port output (input 18-30 V)	1 A
Max out per port output (input 30-57 V)	450 mA
Max total out (A)	1 A

Ethernet

Details	
10/100/1000 Ethernet ports	8
Number of 1G Ethernet ports with PoE-out	1

Fiber

Details	
SFP ports	1 (2.5G supported)

Peripherals

Details	
Serial console port	RJ45
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB 3.0 type A
Max USB current (A)	1.5

Other

Details	
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• 24V 1.5A power adapter
• Rackmount kit K-79
• K-55 screw kit
• K-87
• Adhesive pads

MikroTik hEX refresh

SKU: E50UG
Type: simple
Categories: MikroTik Products, Router, Router Board, SOHO

Price: 14,255 kr

The affordable, reliable router you know and trust is now stronger than ever. With the latest refresh, the hEX delivers twice the performance for the same great price. Whether you’re looking for a rock-solid solution for your home or small office, hEX ensures seamless and stable connectivity with a powerful upgrade: we’ve increased the **RAM** from **256 MB** to **512 MB**, and replaced the **CPU** with a modern **ARM dual-core workhorse**!

Depending on your configuration, the performance increase can reach **100-134%**! With **5x Gigabit Ethernet ports**, hEX is the most cost-effective way to interconnect your main home or office devices. And you can use the full-sized **USB port** to add extra storage to stream high-quality media across devices!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	E50UG
Architecture	ARM
CPU	EN7562CT
CPU core count	2
CPU nominal frequency	950 MHz
Switch chip model	EN7562CT
Dimensions	113x89x28mm
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	512 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-28 V
Max power consumption	10 W
Max power consumption without attachments	4 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	12-28 V

Ethernet

Details	
10/100/1000 Ethernet ports	5

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• 24V 0.38A power adapter

MikroTik RB1100AHx4

SKU: RB1100x4
Type: simple
Categories: Biz Router, MikroTik Products, Router Board

Price: 77,357 kr

Introducing RB1100AHx4, 13x Gigabit Ethernet ports Router, powered by Annapurna Alpine AL21400 CPU with four Cortex A15 cores, clocked at 1.4GHz each, for a maximum throughput of up to 7.5Gbit. The device supports IPsec hardware acceleration (up to 2.2Gbps with AES128).

Unit comes with 1U rackmount case, RS232 serial port and dual redundant power supplies (with -48v DC telecom power and 802.3at/af support).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB1100x4
Architecture	ARM 32bit
CPU	AL21400
CPU core count	4
CPU nominal frequency	1.4 GHz
Switch chip model	RTL8367
Dimensions	443 x 148 x 44 mm
RouterOS license	6
Operating System	RouterOS
Size of RAM	1 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Number of DC inputs	2 (2-pin terminal, PoE-IN)
2-pin terminal input Voltage	-48, 12-57 V
Max power consumption	20 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	20-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	13

Peripherals

Details	
Memory card type	microSD
Memory Cards	1
Serial console port	RS232

Other

Details	
Current Monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes
Beeper	Yes

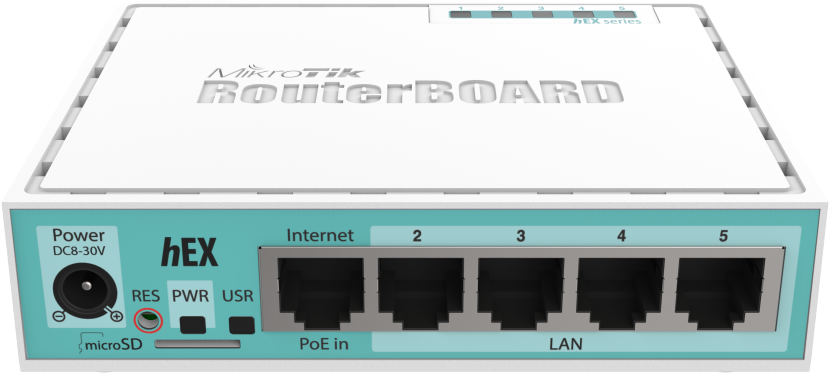
Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• K10 screw kit
• Rack ears
• 2x IEC cords

MikroTik hEX



SKU: RB750Gr3
Type: simple
Categories: MikroTik Products, Router, Router Board, SOHO

Price: 14,674 kr

hEX is a five port Gigabit Ethernet router for locations where wireless connectivity is not required. The device has a full size USB port. This new updated revision of the hEX brings several improvements in performance.

It is affordable, small and easy to use, but at the same time comes with a very powerful dual core 880MHz CPU and 256MB RAM, capable of all the advanced configurations that RouterOS supports.

IPsec hardware encryption and The Dude server package is supported, microSD slot on it provides improved r/w speed for file storage and Dude.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB750Gr3
Architecture	MMIPS
CPU	MT7621A
CPU core count	2
CPU nominal frequency	880 MHz
CPU Threads count	4
Switch chip model	MT7621A
Dimensions	113x89x28mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 60°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	8-30 V
Max power consumption	10 W
Max power consumption without attachments	5 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	8-30 V

Ethernet

Details	
10/100/1000 Ethernet ports	5

Peripherals

Details	
Memory card type	microSD
Memory Cards	1
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes
Beeper	Yes

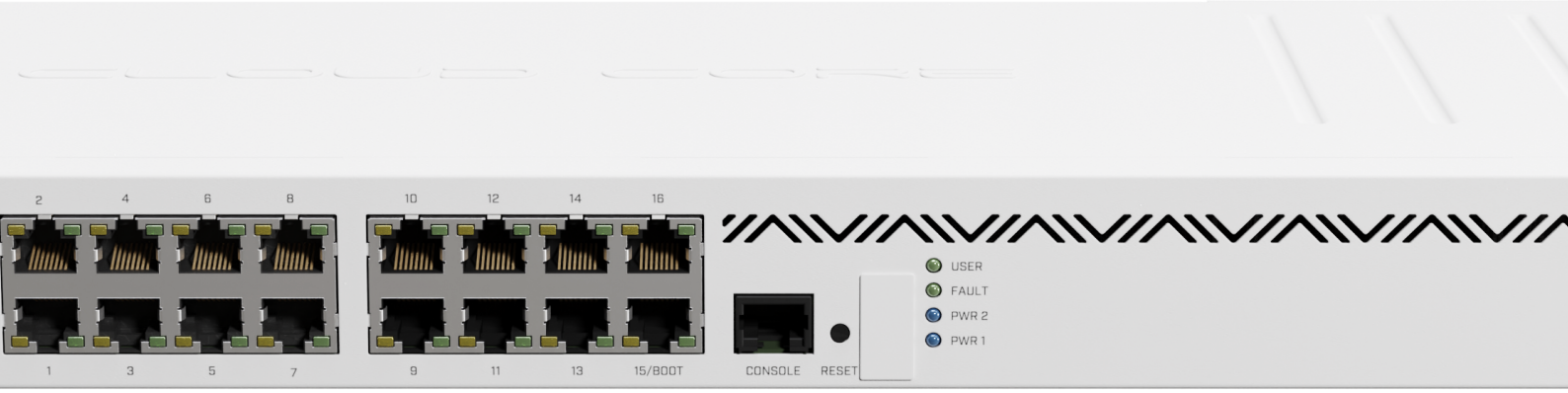
Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• 24V 0.38A power adapter

MikroTik CCR2004-16G-2S+



SKU: CCR2004-16G-2S+
Type: simple
Categories: Biz Router, Cloud Core Router, MikroTik Products

Price: 110,438 kr

Like the other models in CCR2004 series, this CCR also features the Annapurna Labs Alpine v2 CPU with 4x 64-bit ARMv8-A Cortex-A57 cores running at 1,7GHz. But here's the difference. This powerful router crushes all previous CCR models in single-core performance, and that is the most important aspect when it comes to heavy operations based on per-connection processing. Like queues, for example.But that's not all! It also has the best single-core performance per watt and best overall performance per watt among all the CCR devices. Better for the planet, better for the bills, it's a win-win!

The new router has 18 wired ports, including 16x Gigabit Ethernet ports and two 10G SFP+ cages. It also has a RJ-45 console port on the front panel. Like all CCR devices, it comes in a classic white 1U rackmount case. Built-in dual redundant power supplies are included, so you have one less thing to worry about. And, of course, there is active cooling to keep things nice and cool. Each group of 8 Gigabit Ethernet ports is connected to a separate Marvell Amethyst family switch-chip. Each switch chip has a 10 Gbps full-duplex line connected to the CPU. The same goes for each SFP+ cage - a separate 10 Gbps full-duplex line. Boards come with 4GB of DDR4 RAM and 128MB of NAND storage.

So as you can see - no bottlenecks. As long as the CPU can handle the processing, all ports can reach wire speed. And this CPU is a beast that can handle a lot. If we look at the performance, you can see that it is trading blows with our CCR1009. Even surpassing it in CPU-heavy configurations! And if that wasn't enough – it can even reach the performance of CCR1016.

The best part? This brand new CCR is among the most affordable options out there - not only within the CCR series, but on the market in general.One of the most common ways to use this device would be: Gigabit Ethernet ports for the internal network; SFP+ ports for downlink and uplink. The perfect all-in-one solution for small and medium-sized businesses. Easy and efficient.

With the new CCR2004, you can take your office network to the next level. Without breaking the bank.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CCR2004-16G-2S+
Architecture	ARM 64bit
CPU	AL32400
CPU core count	4
CPU nominal frequency	1700 MHz
Switch chip model	88E6191X
Dimensions	443 x 210 x 44 mm
RouterOS license	6
Operating System	RouterOS v7
Size of RAM	4 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Number of PSU slots	2
Frequency (Hz)	50-60
Max power consumption	48 W
Max power consumption without attachments	35 W
Cooling type	2 fans

Ethernet

Details	
10/100/1000 Ethernet ports	16

Fiber

Details	
SFP+ ports	2

Peripherals

Details	
Serial console port	RJ45

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• Rack ears
• IEC cord
• IEC cord
• K-57 kit

MikroTik RB5009UPr+S+IN

SKU: RB5009UPr+S+IN
Type: simple
Categories: Biz Router, MikroTik Products, Router Board

Price: 71,020 kr

It’s all about the power...

This version of the RB5009 has all the bells and whistles of the previous model: Gigabit Ethernet, 2.5 Gigabit Ethernet, and a 10 Gigabit SFP+ cage for fiber connectivity. It has the speed, the power, and the durability. But this time, we have added **PoE-in & PoE-out** on all eight Ethernet ports. Combined with the 2-pin connector and the DC jack, you’re getting 10 separate ways of powering. Dual redundant power supplies would usually take your uninterrupted uptime to the next level. **RB5009UPr+S+IN** takes it one step above that!

All power options support **a wide voltage range of 24 – 57 V**. However, you can not mix the voltages. If you’re using PoE-out to power other devices, the board will choose the source with the highest voltage (DC jack or the 2-pin connector) to power those.

Each PoE-out port can supply up to 25W of power. All the ports combined are limited to 130W, which should be enough for most setups. You can specify maximum available power from your power sources manually, if necessary. When it comes to PoE-out features, the new RB5009 can trade blows with our legendary PoE switches: CRS354 & CRS328. In the smallest possible form-factor and for the best price on the market!

Protect your uptime, protect your tranquility!

So what exactly happens if there is a problem with one of your power sources? Here’s a quick example: you have 24V on the DC jack, 48V on the 2-pin connector, and 57V on the PoE-in. The board itself gets powered by the highest voltage input – the PoE-in. If there’s a problem, RB5009 will fall back to the second highest voltage - the 2-pin connector. And if that fails – there’s the 24V option on the DC jack.

What about the PoE-out devices? Once again – the highest voltage wins. PoE-out devices will draw power from the 48V source on the 2-pin connector. If that fails – the 24V on the DC jack come into play. The board will always reserve 20 watts to power itself. If there is not enough power for all the PoE-out ports, it will start disabling the ones with the lowest priority. You can set the port priority manually.

This tiny form-factor shines anywhere: from confined research facilities and offices to huge corporate server rooms. And don't forget that you can mount FOUR of these routers in a single 1U rackmount space

With the new RB5009, we want to empower all the small and medium ISPs that are always on the lookout for the most cost-effective and robust solutions. It is a perfect addition to our previous GPEN devices – a line of products designed to replace the expensive GPON solutions.

With so many powering options and a durable metallic case, the new RB5009 redefines affordable reliability.

*802.3af/at PoE-In only on Ether1!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB5009UPr+S+IN
Architecture	ARM 64bit
CPU	88F7040
CPU core count	4
CPU nominal frequency	350-1400 (auto) MHz
Switch chip model	88E6393
RouterOS license	5
Operating System	RouterOS v7
Size of RAM	1 GB
Storage size	1 GB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 60°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	3 (DC jack, PoE-IN, 2-pin terminal)
DC jack input Voltage	24-57 V
2-pin terminal input Voltage	24-57 V
Max power consumption	150 W
Max power consumption without attachments	16 W
Cooling type	Passive
PoE in	802.3af/at (ether1), Mode B (ether2-ether8)
PoE in input Voltage	24-57 V

PoE-out

Details	
PoE-out ports	Ether1-Ether8
PoE out	802.3af/at
Max out per port output (input 18-30 V)	900 mA
Max out per port output (input 30-57 V)	440 mA
Max total out (A)	2.59 A
Total output current	2.28
Total output power	130

Ethernet

Details	
10/100/1000 Ethernet ports	7
Number of 1G Ethernet ports with Reverse PoE (PoE-in)	7
Number of 2.5G Ethernet ports	1
Number of 2.5G Ethernet ports with Reverse PoE (PoE-in)	1

Fiber

Details	
SFP+ ports	1

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB 3.0 type A
Max USB current (A)	1.5

Other

Details	
CPU temperature monitor	Yes
Current Monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• K-55 screw kit
• IEC cord
• 48V2A96W
• Connector plug

MikroTik CCR2116-12G-4S+

SKU: CCR2116-12G-4S+
Type: simple
Categories: Biz Router, Cloud Core Router, MikroTik Products

Price: 236,168 kr

We wanted to see the full potential of the good, old, reliable 10G networking combined with a modern CPU. CCR2116-12G-4S+ allows you to forget about CPU limitations in your setup. Like its younger brother – the amazing CCR2004, this router features the mighty Amazon Annapurna Labs Alpine CPU.

But with 16 cores running at 2 GHz, this CCR eats the other one for breakfast. For example, we see at least a 15% increase in single-core performance. And that is the most important aspect when it comes to heavy operations based on per-connection processing. Like queues, for example. CCR2116-12G-4S+ sets **a new standard of single-core performance in the whole CCR product family!** And it supports Layer 3 Hardware Offloading!

Obviously, you need the right connectivity to harness this power. There are **four 10G SFP+ ports.** They have a separate, full-duplex line connected to the Marvell Aldrin family switch chip. Then we have Gigabit Ethernet ports. 12 of them are running through the Marvel chip. And there is another Gigabit port connected directly to the CPU. For management purposes.

Each group of 4 ports has a separate full-duplex connection to the switch chip. No bottlenecks here. You can expect switch-like throughput in most setups. The new generation of processors offers mind-blowing performance. **If we look at the CCR1036 - the powerhouse with a 36 core CPU, the new CCR2116 can easily double the performance. 16 cores vs 36 cores. Double the performance. Or even more.**

If you are a rather large ISP, dealing with dynamic routing, massive BGPs, complex firewall rules, and intricate quality of service configurations..This is the right device for you. Combination of raw power and utility with the reliable 10G networking. And yes, like with any ISP-level device, we've included a **dual-redundant power supply.** So you have one less thing to worry about.

CCR2116-12G-4S+: technology tested by time, built for the future.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CCR2116-12G-4S+
Architecture	ARM 64bit
CPU	AL73400
CPU core count	16
CPU nominal frequency	2000 MHz
Switch chip model	98DX3255
Dimensions	443 x 199 x 44 mm
RouterOS license	6
Operating System	RouterOS v7
Size of RAM	16 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Number of PSU slots	2
Frequency (Hz)	47-63
Max power consumption	83 W
Max power consumption without attachments	60 W
Cooling type	4 fans

Ethernet

Details	
10/100/1000 Ethernet ports	13

Fiber

Details	
SFP+ ports	4

Peripherals

Details	
Serial console port	RJ45
Number of M.2 slots	1

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS

Included parts

• IEC cord
• IEC cord
• Rackmount bracket white
• K-57 kit

MikroTik RB4011iGS+RM

SKU: RB4011iGS+RM
Type: simple
Categories: Biz Router, MikroTik Products, Router, Router Board

Price: 51,990 kr

RB4011 series - amazingly powerful routers with ten Gigabit ports, SFP+ 10Gbps interface and IPsec hardware acceleration for a great price!

The RB4011 uses a quad core Cortex A15 CPU, same as in our carrier grade RB1100AHx4 unit. The unit is equipped with 1GB of RAM, can provide PoE output on port #10 and comes with a compact and professional looking solid metal enclosure in matte black.

RB4011iGS+RM (Ethernet model) includes two rackmount ears that will securely fasten the unit in a standard 1U rack space.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB4011iGS+RM
Architecture	ARM 32bit
CPU	AL21400
CPU core count	4
CPU nominal frequency	auto (533 - 1900) MHz
Switch chip model	RTL8367SB
Dimensions	228 x 120 x 30 mm
RouterOS license	5
Operating System	RouterOS v7
Size of RAM	1 GB
Storage size	512 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	33 W
Max power consumption without attachments	18 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	18-57 V

PoE-out

Details	
PoE-out ports	Ether10
PoE out	Passive PoE up to 57V
Max out per port output (input 18-30 V)	600 mA
Max out per port output (input 30-57 V)	420 mA
Max total out (A)	600 mA

Ethernet

Details	
10/100/1000 Ethernet ports	10

Fiber

Details	
SFP+ ports	1

Peripherals

Details	
Serial console port	RJ45

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

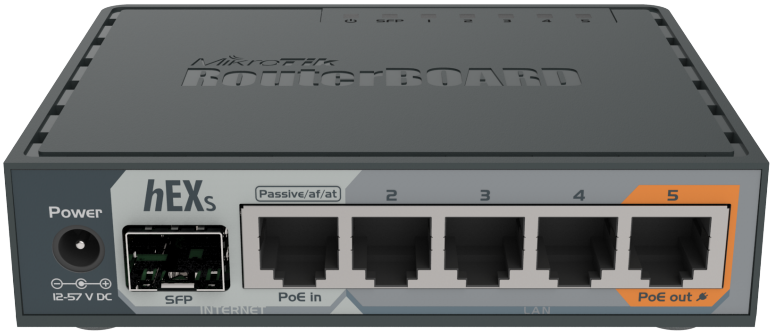
Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• 24V 1.5A power adapter
• 4011 ears
• K-60 kit

MikroTik hEX S



SKU: RB760iGS
Type: simple
Categories: MikroTik Products, Router, Router Board, SOHO

Price: 16,791 kr

hEX S is a five port Gigabit Ethernet router for locations where wireless connectivity is not required. Compared to the hEX, the hEX S also features an SFP port and PoE output on the last port.

It is affordable, small and easy to use, but at the same time comes with a very powerful dual core 880 MHz CPU and 256 MB RAM, capable of all the advanced configurations that RouterOS supports. The device has a USB 2.0, PoE output for Ethernet port #5 and a 1.25Gbit/s SFP cage. The port #5 can power other passive PoE capable devices with the same voltage as applied to the unit

IPsec hardware encryption and The Dude server package is supported, microSD slot on it provides improved r/w speed for file storage and Dude.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB760iGS
Architecture	MMIPS
CPU	MT7621A
CPU core count	2
CPU nominal frequency	880 MHz
CPU Threads count	4
Switch chip model	MT7621A
Dimensions	113 x 89 x 28 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	24 W
Max power consumption without attachments	6 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

PoE-out

Details	
PoE-out ports	Ether5
PoE out	Passive PoE up to 57V
Max out per port output (input 18-30 V)	500 mA
Max out per port output (input 30-57 V)	500 mA
Max total out (A)	500 mA

Ethernet

Details	
10/100/1000 Ethernet ports	5

Fiber

Details	
SFP ports	1

Peripherals

Details	
Memory card type	microSD
Memory Cards	1
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• 24V 1.2A power adapter

MikroTik RB5009UG+S+IN

SKU: RB5009UG+S+IN
Type: simple
Categories: MikroTik Products, Router, Router Board, SOHO

Price: 58,757 kr

Double the usual performance: we took your feedback from the MikroTik User Meetings to create the perfect home lab router: compact, powerful, with multiple powering options and efficient cooling.RB5009 has it all, and even more!

The board features 9 wired ports and a full-sized USB 3.0. Seven of the ports are Gigabit Ethernet, another one is 2.5 Gigabit Ethernet, and the last one is a 10G SFP+ cage. All the ports are connected to a powerful Marvell Amethyst family switch-chip with a 10 Gbps full-duplex line leading to the Marvell Armada Quad-core ARMv8 1.4 GHz CPU. **Both CPU and the switch-chip are located on the bottom of the**

board – so the case acts as a massive heat-sink!

RB5009UG+S+IN can be powered in 3 different ways:

a) PoE-in from Ethernet port #1

b) DC Jack

c) 2-pin terminal on the side

Boards come with 1GB of DDR4 RAM and 1GB NAND storage. This combination of ports and components, compared to our other products in a similar form factor, provides almost double the performance in configurations with heavy CPU loads.

With a simple set of mounting accessories, you can mount FOUR of these routers in a single 1U rackmount space! No more server-room-Tetris, just pure productivity.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB5009UG+S+IN
Architecture	ARM 64bit
CPU	88F7040
CPU core count	4
CPU nominal frequency	350-1400 (auto) MHz
Switch chip model	88E6393
RouterOS license	5
Operating System	RouterOS v7
Size of RAM	1 GB
Storage size	1 GB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 60°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	3 (DC jack, PoE-IN, 2-pin terminal)
DC jack input Voltage	24-57 V
2-pin terminal input Voltage	24-57 V
Max power consumption	25 W
Max power consumption without attachments	14 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	24-57 V

Ethernet

Details	
10/100/1000 Ethernet ports	7
Number of 2.5G Ethernet ports	1

Fiber

Details	
SFP+ ports	1

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB 3.0 type A
Max USB current (A)	1.5

Other

Details	
CPU temperature monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS

Included parts

• K-55 screw kit
• 24V 1.5A power adapter

MikroTik RB5009UPr+S+OUT

SKU: RB5009UPr+S+OUT
Type: simple
Categories: MikroTik Products, Outdoor, Router, Router Board

Price: 77,816 kr

As a network administrator, you never know when the next windstorm, lightning, flood, heatwave, or a power outage will strike. But with the right tools you can protect your network from most troubles! Here’s our wishlist for the perfect tool:

Adding an IP66-rated waterproof enclosure to the RB5009 series allowed us to meet all the requirements! The brand new RB5009UPr+S+OUT is a compact, cost-effective solution that will revolutionize your network tower setups. You’re getting one of the most powerful outdoor networking devices for the best price on the market!

Like the indoor version, this RB5009 has 7x Gigabit Ethernet ports, one 2.5 Gigabit Ethernet port, a 10G SFP+ cage, and a full sized USB3 port!

When we say “extensive power redundancy”, we really mean it: the unit offers 9 possible ways of powering. There’s a 2-pin power connector on the front, as well as PoE-in and PoE-out on all eight Ethernet ports. The board can use any of these sources to power itself, choosing the one with the highest voltage when multiple sources are available. RB5009 takes up to 21W to power itself. If you’re using PoE-in, the board will stay on even if 8 of your 9 power sources suddenly go down. Unprecedented redundancy!

All power options support a wide voltage range of 24 – 57 V. However, you can not mix the voltages.

Each PoE-out port can supply up to 25W of power. All the ports combined are limited to 130W, which should be enough for most setups. (Note that the included PSU is capable of 96W total, so for maximum output, a different PSU will be needed). You can specify maximum available power from your power sources manually, if necessary. If you’re using PoE-out to power other devices, you have to provide power via the 2-pin connector to power those.

This product also features single voltage PoE-out – it can either be 802.3at/af compatible OR low-voltage PoE-out. That is determined by the voltage on the 2-pin connector, as no voltage conversion is done on this board.

When it comes to processing power and available use-cases, this router can do it all: PPPoE termination, DHCP to customers, Local Queuing, MPLS Push/Pop/Swap and MPLS Forwarding, VPLS/VXLAN Termination, Hardware bridging, and so much more!

The RB5009 series keep redefining affordable reliability for small, medium, and even large ISPs!

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB5009UPr+S+OUT
Architecture	ARM 64bit
CPU	88F7040
CPU core count	4
CPU nominal frequency	350-1400 (auto) MHz
Switch chip model	88E6393
RouterOS license	5
Operating System	RouterOS v7
Size of RAM	1 GB
Storage size	1 GB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	2 (PoE-IN, 2-pin terminal)
2-pin terminal input Voltage	24-57 V
Max power consumption	150 W
Max power consumption without attachments	15 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	24-57 V

PoE-out

Details	
PoE-out ports	Ether1-Ether8
PoE out	802.3af/at
Max out per port output (input 18-30 V)	900 mA
Max out per port output (input 30-57 V)	440 mA
Max total out (A)	2.59 A
Total output current	2.28
Total output power	130

Ethernet

Details	
10/100/1000 Ethernet ports	7
Number of 1G Ethernet ports with Reverse PoE (PoE-in)	7
Number of 2.5G Ethernet ports	1
Number of 2.5G Ethernet ports with PoE-out	1

Fiber

Details	
SFP+ ports	1

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB 3.0 type A
Max USB current (A)	1.5

Other

Details	
CPU temperature monitor	Yes
Current Monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

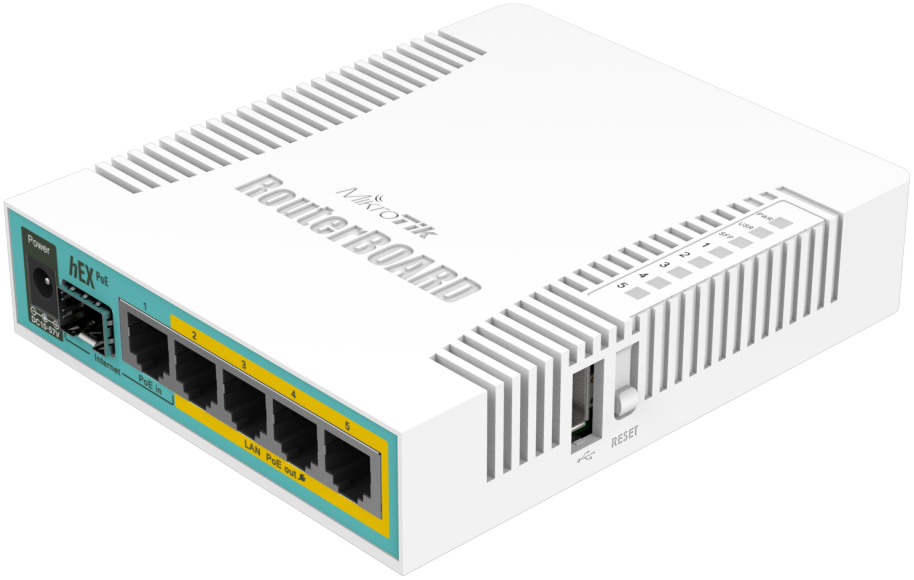
Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	66

Included parts

• K-41 fastening set
• K-85 fastening set
• Hose clamp 2

MikroTik hEX PoE



SKU: RB960PGS
Type: simple
Categories: MikroTik Products, Router, Router Board, SOHO

Price: 27,396 kr

hEX PoE is a five port Gigabit Ethernet router for locations where wireless connectivity is not required. The device has a USB 2.0 port and a SFP port for adding optical fiber connectivity. The ports 2-5 can power other PoE capable devices with the same voltage as applied to the unit.

It is affordable, small and easy to use, but at the same time comes with a very powerful 800MHz CPU, capable of all the advanced configurations that RouterOS supports. Less power adapters and cables to worry about! Max current is 1A per port, Ethernet ports are shielded.

It also supports passive PoE input and passive or 802.3af/at PoE output. Ethernet ports 2-5 can power other PoE capable devices with the same voltage as applied to the unit. Less power adapters and cables to worry about! It can power at/af mode B (4,5+)(7,8-) compatible devices, if 48-57 input voltage is used.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB960PGS
Architecture	MIPSBE
CPU	QCA9557
CPU core count	1
CPU nominal frequency	800 MHz
Switch chip model	QCA8337
RouterOS license	4
Operating System	RouterOS
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 60°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	54 W
Max power consumption without attachments	6 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	12-57 V

PoE-out

Details	
PoE-out ports	Ether2-Ether5
PoE out	802.3af/at
Max out per port output (input 18-30 V)	1 A
Max out per port output (input 30-57 V)	450 mA
Max total out (A)	2 A

Ethernet

Details	
10/100/1000 Ethernet ports	5

Fiber

Details	
SFP ports	1

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

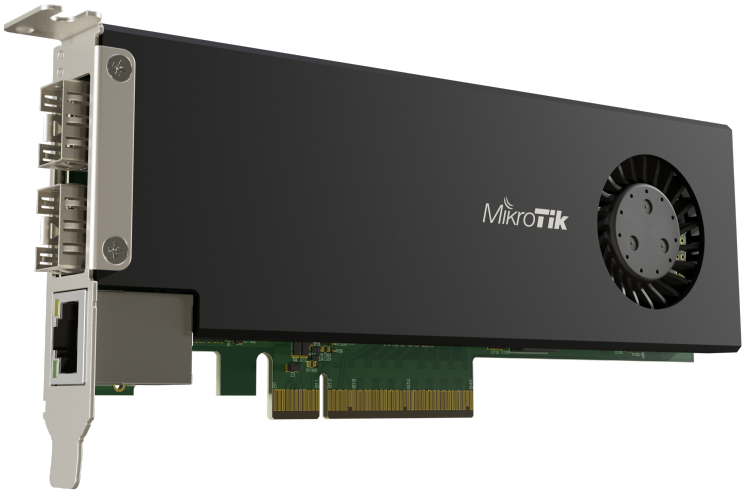
Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP20

Included parts

• 24V 2.5A power adapter
• IEC cord

MikroTik CCR2004-1G-2XS-PCIe



SKU: CCR2004-1G-2XS-PCIe
Type: simple
Categories: Cloud Core Router, MikroTik Products

Price: 47,233 kr

Save space in your server room by adding a real CCR2004.. within the server itself! This unique product combines a simple 2x 25 Gigabit PCIe Ethernet adapter with the impressive capabilities of a fully-fledged router.

By default, the PCIe interface will show up as four virtual Ethernet interfaces. Two interfaces in passthrough mode to the 25G SFP28 cages. Remaining two virtual Ethernet-PCIe interfaces are bridged with the Gigabit Ethernet port for management access. The user can configure all interfaces and settings freely since we are running fully functional RouterOS here.

To get this CCR device to work as an NIC, a new Passthrough mode was implemented. Basically, a FastForward FastPath mode that can also pass hardware link statuses.

This NIC can reach wire-speed (100Gbps) with Jumbo frames. It ensures that in most server setups this CCR network card will not be the bottleneck.

With **4 GB of RAM**, 128 MB of NAND storage, and a **powerful quad-core ARMv8 64-bit CPU**, this device can handle a lot: firewalls, user management and access control for home media and file servers, and even some traffic control in data centers – without the need for a stand-alone router.

This form-factor does come with certain limitations that you should keep in mind. The CCR NIC card needs some time to boot up compared to ASIC-based setups. If the host system is up before the CCR card, it will not appear among the available devices. You should add a PCIe device initialization delay after power-up in the BIOS. Or you will need to re-initialize the PCIe devices from the HOST system.

We are looking forward to see your unique use-cases for this unconventional device: a simple high-speed networking card combined with a powerful Cloud Core Router.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CCR2004-1G-2XS-PCIe
Architecture	ARM 64bit
CPU	AL52400
CPU core count	4
CPU nominal frequency	1500 MHz
Dimensions	170 x 69 x 18 mm
RouterOS license	6
Operating System	RouterOS v7
Size of RAM	4 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C
IPsec hardware acceleration	Yes

Powering

Details	
Max power consumption	29 W
Max power consumption without attachments	22 W
Cooling type	1 fan

Ethernet

Details	
10/100/1000 Ethernet ports	1

Fiber

Details	
Number of 25G SFP28 ports	2

Other

Details	
CPU temperature monitor	Yes
Current Monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• Small bracket
• Large bracket

MikroTik PowerBox Pro

SKU: RB960PGS-PB
Type: simple
Categories: MikroTik Products, Outdoor, Router, Router Board

Price: 26,166 kr

The PowerBox Pro is an outdoor five gigabit ethernet port router with PoE output on four ports. Since the device has a weatherproof outdoor case, you can mount it on a tower, or in other outdoor locations.

It also supports passive PoE input and passive or 802.3af/at PoE output. Ethernet ports 2-5 can power other PoE capable devices with the same voltage as applied to the unit. Less power adapters and cables to worry about! It can power 802.3at and af mode B compatible devices, if 48-57 input voltage is used.

The device has a SFP port for adding optical fiber connectivity. It is affordable, small and easy to use, but at the same time comes with a very powerful 800MHz CPU, capable of all the advanced configurations that RouterOS supports.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB960PGS-PB
Architecture	MIPSBE
CPU	QCA9557
CPU core count	1
CPU nominal frequency	800 MHz
Switch chip model	QCA8337
Dimensions	125 x 52 x 225 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max power consumption	54 W
Max power consumption without attachments	6 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	12-57 V

PoE-out

Details	
PoE-out ports	Ether2-Ether5
PoE out	802.3af/at
Max out per port output (input 18-30 V)	1 A
Max out per port output (input 30-57 V)	450 mA
Max total out (A)	2 A

Ethernet

Details	
10/100/1000 Ethernet ports	5

Fiber

Details	
SFP ports	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS

Included parts

• 24V 2.5A power adapter
• DIN mount (K-27)
• IEC cord
• Gigabit PoE injector
• Metal ring (one)

MikroTik CCR2004-1G-12S+2XS

SKU: CCR2004-1G-12S+2XS
Type: simple
Categories: Biz Router, Cloud Core Router, MikroTik Products, Router

Price: 141,021 kr

The “Improvise. Adapt. Overcome.” mindset can be very helpful, but sometimes you simply need a device that works and solves the problem without additional tinkering. The CCR2004-1G-12S+2XS does just that – forget about all connectivity troubles and expand your setup in any way you please. This handy router features 12 x 10G SFP+ and 2 x 25G SFP28 ports.

CCR2004-1G-12S+2XS is our router with the most powerful single-core performance so far. It provides incredible results in single tunnel (up to 3.4 Gbps) and BGP feed processing.

Be prepared for anything: 10G, 40G and now 25G! Paired with such MikroTik multiport products as CRS317-1G-16S+RM, CRS312-4C+8XG-RM and CRS326-24S+2Q+RM, your networking setup will know no bounds. Performance-wise, CCR2004-1G-12S+2XS is on par with the renowned CCR1009/CCR1016 routers. And with dual redundant power supply you can forget about unexpected downtime! With its elaborate port configuration, the new CCR2004-1G-12S+2XS is the perfect addition to any professional networking arsenal – it will save you tons of time in some tricky situations! Size of RAM in RouterOS v7 4GB ECC

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CCR2004-1G-12S+2XS
Architecture	ARM 64bit
CPU	AL32400
CPU core count	4
CPU nominal frequency	1700 MHz
Dimensions	443 x 224 x 44 mm
RouterOS license	6
Operating System	RouterOS v7
Size of RAM	4 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of AC inputs	2
AC input range	100-240
Max power consumption	60 W
Max power consumption without attachments	31 W
Cooling type	2 fans

Ethernet

Details	
10/100/1000 Ethernet ports	1

Fiber

Details	
SFP+ ports	12
Number of 25G SFP28 ports	2

Peripherals

Details	
Serial console port	RJ45

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

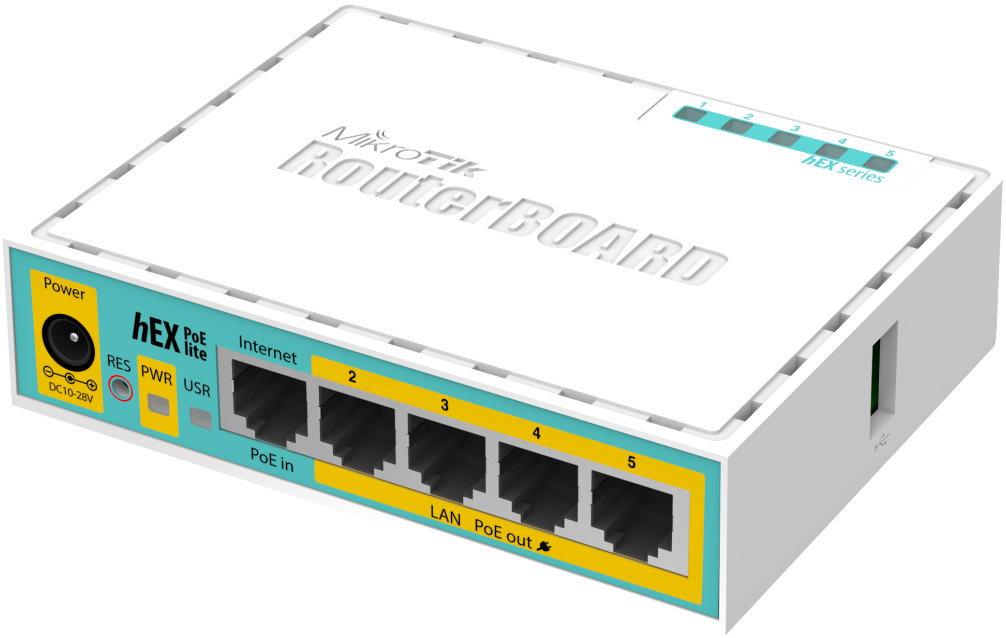
Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• 2x IEC cords
• Screw and feet kit (K10)
• Rackmount bracket white

MikroTik hEX PoE lite



SKU: RB750UPr2
Type: simple
Categories: MikroTik Products, Router, Router Board, SOHO

Price: 14,255 kr

hEX PoE lite is a small five port ethernet router in a plastic case, it has a USB 2.0 port and PoE output.

Ports 2-5 can power other PoE capable devices with the same voltage as applied to the unit. Less power adapters and cables to worry about! Max current is 1A per port, Ethernet ports are shielded.

It is affordable, small and easy to use. With it's compact design and clean looks, it will fit perfectly into any SOHO environment.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB750UPr2
Architecture	MIPSBE
CPU	QCA9531
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9531
Dimensions	113x89x28mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	8-30 V
Max power consumption	51 W
Max power consumption without attachments	3 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	8-30 V

PoE-out

Details	
PoE-out ports	Ether2-Ether5
PoE out	Passive PoE
Max out per port output (input 18-30 V)	1 A
Max total out (A)	2 A

Ethernet

Details	
10/100 Ethernet ports	5

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
Current Monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

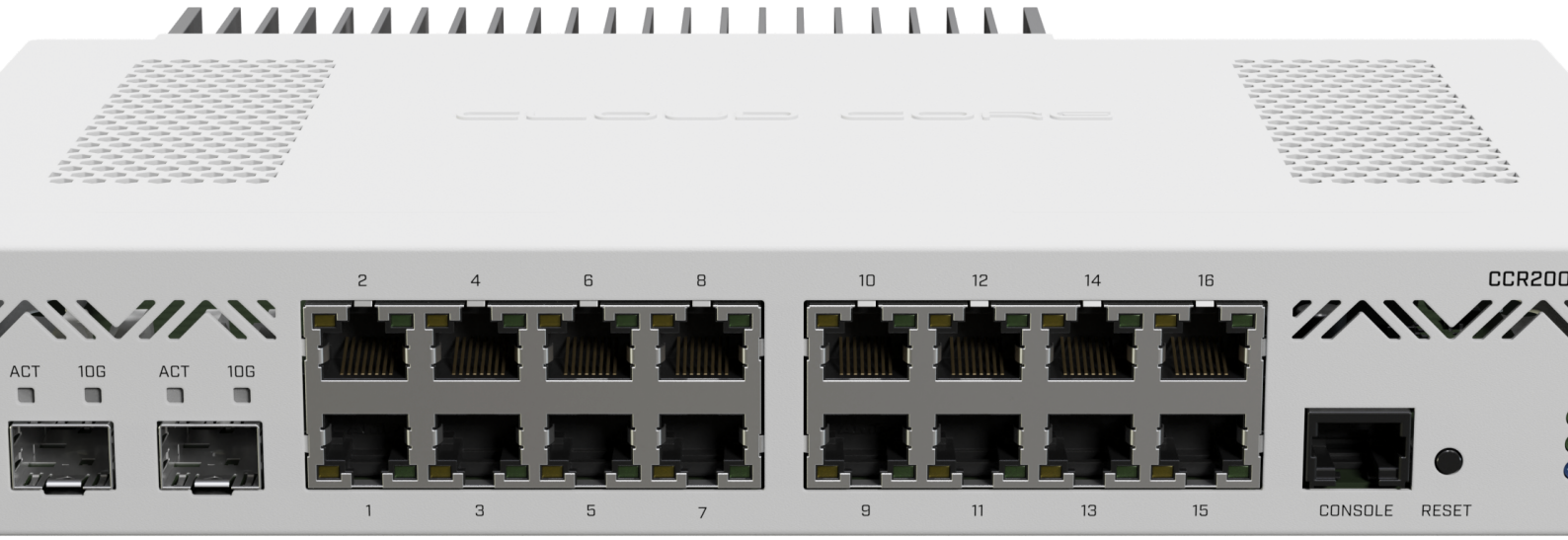
Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	20

Included parts

• 24V 2.5A power adapter
• IEC cord

MikroTik CCR2004-16G-2S+PC



SKU: CCR2004-16G-2S+PC
Type: simple
Categories: Biz Router, Cloud Core Router, MikroTik Products

Price: 110,438 kr

Like the other models in CCR2004 series, this CCR also features the **Amazon Annapurna Labs Alpine v2 CPU with 4x 64-bit ARMv8-A Cortex-A57 cores**. While this CPU is running at 1.2 GHz, the router can be 3x as fast than the previous generation CCR's. This is the silent powerhouse. Enjoy all the power of a real CCR in peace and quiet. **Get rid of all the hum and buzz in your office, studio, server room or homelab without sacrificing the performance!**

The new router has 18 wired ports, including 16x Gigabit Ethernet ports and two 10G SFP+ cages. It also has a RJ-45 console port on the front panel.

Each group of 8 Gigabit Ethernet ports is connected to a separate Marvell Amethyst family switch-chip. Each switch chip has a **10 Gbps full-duplex line** connected to the CPU. The same goes for each SFP+ cage - a separate 10 Gbps full-duplex line. Boards come with 4GB of DDR4 RAM and 128MB of NAND storage.

So as you can see - no bottlenecks. As long as the CPU can handle the processing, all ports can reach wire speed. And this CPU is a beast that can handle a lot. If we look at the performance, you can see that it is trading blows with our CCR1009.

The best part? This brand new CCR is among the most affordable options out there - not only within the CCR series, but on the market in general. One of the most common ways to use this device would be: Gigabit Ethernet ports for the internal network; SFP+ ports for downlink and uplink. The perfect all-in-one solution for small and medium-sized businesses. Easy and efficient.

With the new CCR2004, you can take your office network to the next level. Without breaking the bank.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	CCR2004-16G-2S+PC
Architecture	ARM 64bit
CPU	AL32400
CPU core count	4
CPU nominal frequency	1200 MHz
Switch chip model	88E6191
Dimensions	272 x 195 x 44 mm
RouterOS license	6
Operating System	RouterOS v7
Size of RAM	4 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	2 (2-pin terminal, DC jack)
DC jack input Voltage	36-57 V
2-pin terminal input Voltage	36-57 V
Max power consumption	36 W
Max power consumption without attachments	30 W
Cooling type	Passive

Ethernet

Details	
10/100/1000 Ethernet ports	16

Fiber

Details	
SFP+ ports	2

Peripherals

Details	
Serial console port	RJ45

Other

Details	
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes

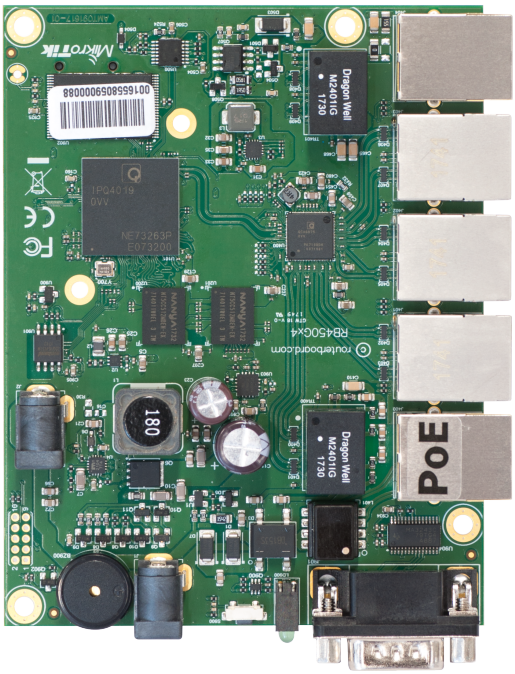
Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP 20

Included parts

• Ears
• 48 V 0.95 A power adapter
• K-83

MikroTik RB450Gx4



SKU: RB450Gx4
Type: simple
Categories: Board Only, MikroTik Products, Router Board

Price: 23,787 kr

The RB450Gx4 is an Ethernet router with five Gigabit Ethernet ports, a serial port, 512 MB NAND memory and a microSD card slot. In addition, it supports full 10 V - 57 V input by two power jacks or PoE (802.3af/at or passive PoE) and can provide PoE output for Ethernet port #5.

It is powered by MikroTik RouterOS. It comes without an enclosure, you are free to use it in your own. The device form factor is identical to our previous RB850 and RB450 series, so you can even use the same enclosures.

The device is powered by a quad core ARM CPU, has 1 GB of RAM and supports hardware IPsec encryption. The device is powered by RouterOS - the operating system, which will turn this powerful system into a highly sophisticated router, firewall or bandwidth manager.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB450Gx4
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	448-896 (auto) MHz
Switch chip model	IPQ-4019
Dimensions	90 x 116 mm
RouterOS license	5
Operating System	RouterOS
Size of RAM	1 GB
Storage size	512 MB
Storage type	NAND
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	3 (DC jack, PoE-IN)
DC jack input Voltage	10-57 V
Max power consumption	16 W
Max power consumption without attachments	4 W
Cooling type	Passive
PoE in	802.3af/at
PoE in input Voltage	12-57 V

PoE-out

Details	
PoE-out ports	Ether5
PoE out	Passive PoE
Max out per port output (input 18-30 V)	500 mA
Max out per port output (input 30-57 V)	500 mA
Max total out (A)	500 mA

Ethernet

Details	
10/100/1000 Ethernet ports	5

Peripherals

Details	
Memory card type	microSD
Serial console port	RS232

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, EAC, ROHS
IP	IP00

MikroTik L11UG-5HaxD

SKU: L11UG-5HaxD
Type: simple
Categories: Board Only, MikroTik Products

Price: 18,690 kr

Remember the thrill of crafting your custom solutions with our RouterBoard series? Get ready for even more DIY achievements: we’re refreshing the RB product line with Wi-Fi 6! Like the trusty RB911, our brand new L11UG-5HaxD is going to be your best friend when it comes to building low-cost outdoor CPEs or APs! This tiny board features a modern Qualcomm Maple CPU based on the ARM architecture, 256 MB of RAM, a USB port for extra storage or other needs, and a Gigabit Ethernet port with PoE-in.

The powerful Wi-Fi 6 radio with MMCX connectors enables further customization: add a HGO-antenna-OUT and you’ve got yourself an excellent omnidirectional AP… or try the mANT30 PA antenna to create a powerful long-range point-to-point link!

You can integrate L11UG-5HaxD in a variety of setups, such as vending machines, ATM's, ticket stations, and more, but for a standalone build you might want to order one of our aluminum cases. The same ones you would use for RB411, 911, 912 and 922, so they are reusable. You can save the planet and your wallet at the same time!

If you've read this far, here's a little bonus feature: we've kept the good old beeper for various alarms or creative outputs.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	L11UG-5HaxD
Architecture	ARM
CPU	IPQ-5010
CPU core count	2
CPU nominal frequency	800 MHz
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (PoE-IN, DC jack)
DC jack input Voltage	12-28 V
Max power consumption	15 W
Max power consumption without attachments	6 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	18-28 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	2400 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac/ax
Wireless 5 GHz chip model	QCN-6102
Wireless 5 GHz generation	Wi-Fi 6

Ethernet

Details	
10/100/1000 Ethernet ports	1

Peripherals

Details	
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1.5

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

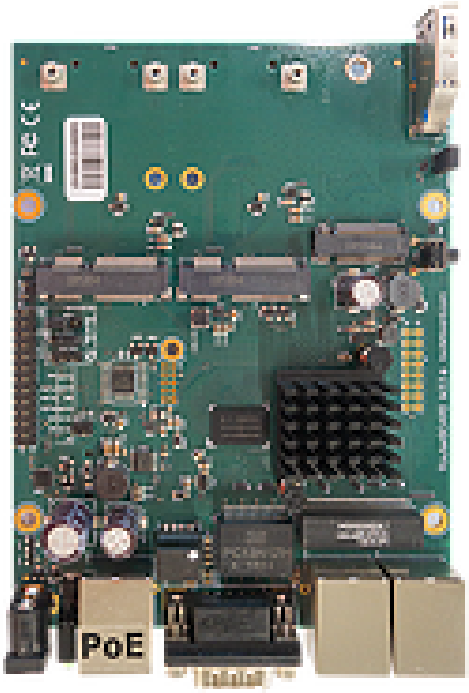
Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	28	-96
54MBit/s	26	-80
MCS0	28	-96
MCS7	25	-75
MCS9	23	-70
MCS11	20	-67

MikroTik RBM33G



SKU: RBM33G
Type: simple
Categories: Board Only, MikroTik Products, Router Board

Price: 15,632 kr

The RBM33G is a fully featured RouterBOARD device perfect for using in your own enclosure or building a custom solution. It uses the same PCB form factor and same mounting holes as it's predecessors (RB433 and RB953 series).

The RBM33G features a new two core CPU running at 880 MHz and 256 MB of DDR3 RAM and three gigabit ethernet ports. It is specially designed for setups that requires two 3G/LTE modems. You can use e.g.:

• Two miniPCIe 3G/LTE modems for multiple mobile connections (two SIM slots provided)

• One miniPCIe and One USB 3G/LTE modem leaving other miniPCIe slot for 802.11 wireless card (consult product Quick Guide for details)

The included USB 2.0/3.0 port can be used either for 3G/LTE modem or an external hard drive (consult product Quick Guide for details). For expanding storage, microSD and a PCIe M.2 slots are provided.

The RBM33G comes fitted with a RS232 serial port for console access. The device can be powered by PoE through it's gigabit ethernet connector or through the DC power jack.

Specifications

Details	
Product code	RBM33G
Architecture	MMIPS
CPU	MT7621A
CPU core count	2
CPU nominal frequency	880 MHz
CPU Threads count	4
Switch chip model	MT7621A
RouterOS license	4
Operating System	RouterOS
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	11-28 V
Max power consumption	24 W
Max power consumption without attachments	5 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	11-28 V

Ethernet

Details	
10/100/1000 Ethernet ports	3

Peripherals

Details	
Number of SIM slots	2 Modem (Mini SIM)
M.2 slots	1
MiniPCI-e slots	2
Serial console port	RS232 + GPIO header
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB 3.0 type A
Max USB current (A)	1
Number of M.2 slots	1

Certification & Approvals

Details	
Certification	CE, EAC, ROHS

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

MikroTik RB911G-5HPnD

SKU: RB911G-5HPnD
Type: simple
Categories: Board Only, MikroTik Products, Router Board

Price: 12,912 kr

The RB911G-5HPnD is a small wireless router with an integrated 5Ghz high power wireless card. The Gigabit port helps to utilize the full potential of 802.11n wireless speeds.

It has built in 16kV ESD protection on both the Ethernet and the

MMCX ports.

- RB911G-5HPnD-US (USA) is factory locked for 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- RB911G-5HPnD (International) supports 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB911G-5HPnD
Architecture	MIPSBE
CPU	AR9342
CPU core count	1
CPU nominal frequency	600 MHz
Dimensions	105x105mm
RouterOS license	3
Operating System	RouterOS
Size of RAM	64 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	8-28 V
Max power consumption	11 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	8-28 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	300 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n
Wireless 5 GHz chip model	AR9342
Wireless 5 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100/1000 Ethernet ports	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	30	-96
54MBit/s	27	-78
MCS0	30	-96
MCS7	26	-75

MikroTik L23UGSR-5HaxD2HaxD

SKU: L23UGSR-5HaxD2HaxD
Type: simple
Categories: Board Only, MikroTik Products

Price: 23,787 kr

Remember the thrill of crafting your custom solutions with our RouterBoard series? Get ready for even more DIY achievements: we’re refreshing the RB product line with Wi-Fi 6!

The new L23UGSR is a dual-band Wi- Fi 6 upgrade of the popular RB922 DIY router. You can use it to build custom low-cost outdoor access points or CPEs – for your home, office, homelab needs or even to launch your own products, such as smart vending machines or ticket stations! Thousands of people across the globe choose the RouterBOARD series to build their products because MikroTik offers no subscriptions, no paywalls, no weird licensing or royalty deals... You buy it – you own it!

This modular board features a modern Qualcomm Maple CPU based on the ARM architecture, a USB port for extra storage or other needs, Gigabit Ethernet with PoE-in, 2.5 Gigabit SFP for fiber connectivity, and a free miniPCIe slot that allows further customization. You could, for example, add an LTE modem for a mobile internet backup – we’ve added a NanoSIM slot on the bottom! But there are other options, like adding a gateway for LoRa IoT setups, such as our R11e-LR8!

A powerful dual-band, dual-chain Wi-Fi 6 radio offers increased speed, stability, security, roaming, power management, and other features, compared to the previous wireless protocols for distances up to 30 kilometers.*

The four MMCX connectors enable further customization with an endless variety of antennas you could use. Add a HGO-antenna-OUT and you’ve got yourself an excellent omnidirectional AP… or try the mANT30 PA antenna to create a powerful long-range point-to-point link!

If you’ve read this far, here’s a little bonus feature: we’ve kept the good old beeper for various alarms or creative outputs.

*It’s important to note that while longer links are feasible, their reliability may vary. Additionally, the distance achievable greatly depends on the antenna selected for use.

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	L23UGSR-5HaxD2HaxD
Architecture	ARM
CPU	IPQ-5010
CPU core count	2
CPU nominal frequency	800 MHz
RouterOS license	4
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-28 V
Max power consumption	25 W
Max power consumption without attachments	12 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	18-28 V

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	574 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n/ax
Wireless 2.4 GHz chip model	IPQ-5010
Wireless 2.4 GHz generation	Wi-Fi 6
Wireless 5 GHz Max data rate	2400 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac/ax
Wireless 5 GHz chip model	QCN-6102
Wireless 5 GHz generation	Wi-Fi 6

Ethernet

Details	
10/100/1000 Ethernet ports	1

Fiber

Details	
SFP ports	1 (2.5G supported)

Peripherals

Details	
Number of SIM slots	1 Modem (Nano SIM)
MiniPCI-e slots	1
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1.5

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, ROHS

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	27	-100
11MBit/s	27	-94
6MBit/s	29	-96
54MBit/s	27	-80
MCS0	29	-96
MCS7	26	-75
MCS9	24	-70
MCS11	22	-67

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	28	-96
54MBit/s	26	-80
MCS0	28	-96
MCS7	25	-75
MCS9	23	-70
MCS11	20	-67

MikroTik RB912UAG-5HPnD

SKU: RB912UAG-5HPnD
Type: simple
Categories: Board Only, MikroTik Products, Router Board

Price: 18,690 kr

The RB912UAG-5HPnD is a very versatile device. It is a small wireless router with an integrated high power wireless card and an additional miniPCIe slot for 802.11 wireless, or 3G card. The Gigabit port helps to utilize the full potential of 802.11n wireless speeds.

It has built in 16kV ESD protection on both the Ethernet and the MMCX ports

- RB912UAG-5HPnD-US (USA) is factory locked for 5170-5250MHz and 5725-5835MHz frequencies. This lock can not be removed.

- RB912UAG-5HPnD (International) supports 5150MHz-5875MHz range (Specific frequency range can be limited by country regulations).

The device has an operating system preinstalled and licensed. No separate purchase is necessary and the product is ready to use. The device includes free software updates for the life of the product or a minimum of 5 years starting from date of purchase..

Specifications

Details	
Product code	RB912UAG-5HPnD
Architecture	MIPSBE
CPU	AR9342
CPU core count	1
CPU nominal frequency	600 MHz
Dimensions	105x105mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	64 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-40°C to 70°C

Powering

Details	
Number of DC inputs	2 (PoE-IN, DC jack)
DC jack input Voltage	8-30 V
Max power consumption	12 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	8-30 V

Wireless specifications

Details	
Wireless 5 GHz Max data rate	300 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n
Wireless 5 GHz chip model	AR9342
Wireless 5 GHz generation	Wi-Fi 4

Ethernet

Details	
10/100/1000 Ethernet ports	1

Peripherals

Details	
Number of SIM slots	1 Modem (Mini SIM)
MiniPCI-e slots	1
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Other

Details	
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes

Certification & Approvals

Details	
Certification	CE, FCC, IC, EAC, ROHS
IP	IP00

Wireless specifications

5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	30	-96
54MBit/s	27	-78
MCS0	30	-96
MCS7	26	-75

Feitian MultiPass FIDO k13 security key

SKU: feitian-k25
Type: simple
Categories: Security Key

Price: 19,263 kr

FEITIAN MultiPass FIDO k13 Security Key is a device that goes beyond traditional two-factor authentication systems. It provides an additional security layer beyond your password when you access your online Account. By linking your account to the MultiPass FIDO Security Key, even if your username and password are stolen, hackers cannot get into your account without having possession of your security key.

• The simplest, most effective way to protect your employees against account takeovers
• Delivers an intuitive user experience with the simplest security key setup, deployment, and use
• Interoperates out-of-the-box with hundreds of services that support U2F
• Three interfaces: USB, NFC, and BLE

The BLE and NFC communication interfaces also provide multi-factor authentication on Android and iOS devices. Powered
by WebAuthN and Windows 10 system, users will be able to perform FIDO U2F authentication on BLE and NFC as well. Since
the FIDO-based ecosystem is growing, there will be a growing number of web services that support FIDO authentication.

Supported Operating Systems: Chrome OS, Windows, Linux, Mac OS

Maximum number of credentials: No Limit

Communication Protocol: HID

Item Dimensions: 1.75" x 1.25" x 0.25" inches

Warranty: This product comes with a 1-year warranty from the date of purchase.

Feitian Feitian iePass FIDO2 Keys

SKU: iepass-k13
Type: simple
Categories: Security Key

Price: 20,795 kr

Feitian iePass FIDO2 Keys Product Description

The latest product in the Feitian ePass product category. A future-proof multi-function security key.

• Prevents account takeovers and provides strong protection against phishing
• Secure login to web and mobile applications (iOS, Android)
• Strong and password-free two-factor and multi-factor login to your tablets and mobile devices.

Support for:

• FIDO2
• U2F
• OTP
• PIV

Strong security for mobile applications with both USB-C and Lightning connector

Feitian iePass FIDO2 Keys is a security key that works equally well on iPhones and iPads as well as Android devices.
Strong two-factor authentication for accessing mobile apps.
Ability to share devices within your organization, as each employee logs in with their unique security key to one or more mobile apps.

When more people need to share business phones

• Integrate the security key into your user directory/AD
• Integrate the security key to your IDP (Identity Provider)
• Quick and easy registration of new users
• Quick and easy registration of new devices
• Cost-effective to acquire security keys instead of phones.

Supported Operating Systems: Chrome OS, Windows, Linux, Mac OS

Maximum number of credentials: No Limit

Communication Protocol: HID

Dimensions: 43mm x 13mm x 5.5mm

Warranty: This product comes with a 1-year warranty from the date of purchase.

USB Fingerprint reader for Windows Hello

SKU:
Type: variable
Categories: ! Featured Products !, Gift Ideas, Security Products

Option: USB C style, Reader on end **SKU:** USBC-end **Price:** 9,511 kr
Option: USB A connector, reader on top **SKU:** USBA-Top **Price:** 8,681 kr
Option: USB A connector, reader on end **SKU:** USBA-end **Price:** 8,866 kr

USB Fingerprint Reader for Windows Hello PC Notebook Lock Biometric Scanner Laptop Password-Free Login/Sign-in Unlock Module
Feature:

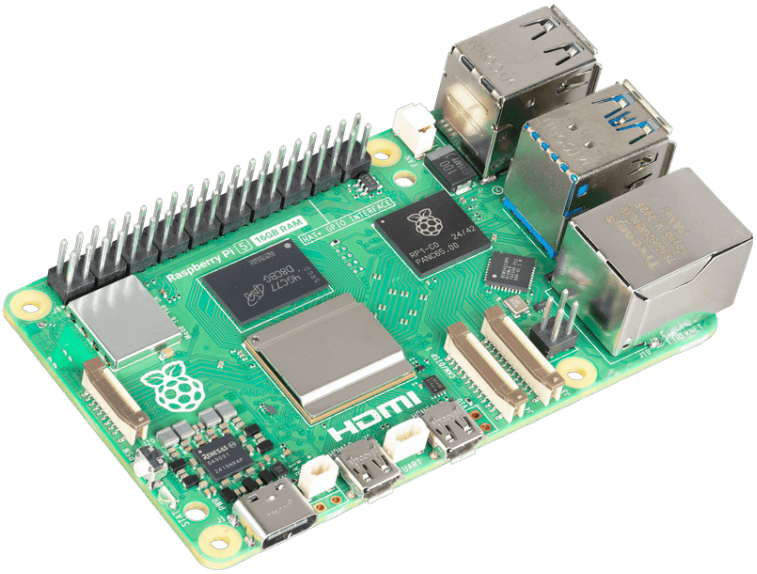
1. Specially designed for Windows Hello and compatible with all versions of Windows with Hello function.
2. Fingerprints can be read from any angle at 360 degrees, and up to 10 fingerprint IDs can be set.
3. Fingerprint verification within 0.05 seconds, faster and safer login, and faster and safer detection and authentication through an intelligent learning algorithm.
4. Use the most advanced fingerprint security equipment to securely protect your login name and data.
5. Support sites: for Google/YouTube/Amazon/eBay/Facebook/Twitter, with a maximum of 112 sites.

Specification:
Type: U7.
Color: Silver
Material: metal (zinc alloy).
Interface: support USB 2.0/3.0
Number of fingerprints supported: 10 fingers, 360-degree touch.
Fingerprint identification speed: instant, within 0.3 seconds.
False recognition rate: < 1/50000(0.002%)
Rejection rate: < 2%.
Fingerprint reading speed: 50ms.
Fingerprint sensor category: capacitive (non-scratch).

Supported operating systems: for Windows 7/10/11 32 and 64-bit operating systems.
Languages supported: Japanese, English, German, Traditional/Simplified Chinese, Vietnamese, Persian and Korean
Dimension: 21*17*12mm/0.83x0.7x0.47in

Note:
Due to the different monitor and light effect, the actual color of the item might be slightly different from the color showed on the pictures. Thank you!
Please allow 1-2cm measuring deviation due to manual measurement.

Raspberry Pi Raspberry Pi 5



SKU: SC1112
Type: simple
Categories: Compute, Gift Ideas

Price: 58,830 kr

Description

The Raspberry Pi 5 is the newest Raspberry Pi computer, and the Pi Foundation knows you can always make a good thing *better*! And what could make the Pi 5 better than the 4? How about a *faster* processor, USB 3.0 ports, and an updated Gigabit Ethernet chip with PoE capability? Good guess - that's exactly what they did!

The **Raspberry Pi 5** is the latest product in the Raspberry Pi range. It boasts a 64-bit quad-core Arm Cortex-A76 processor running at 2.4GHz with a **built-in metal heatsink**, USB 3 ports, dual-band 2.4GHz

and **5GHz wireless LAN**, **faster Gigabit Ethernet**, and PoE capability via a separate PoE HAT.

Details

Featuring a 64-bit quad-core Arm Cortex-A76 processor running at 2.4GHz, Raspberry Pi 5 delivers a 2–3× increase in CPU performance relative to Raspberry Pi 4.

Alongside a substantial uplift in graphics performance from an 800MHz VideoCore VII GPU, dual 4Kp60 display output over HDMI, and state-of-the-art camera support from a rearchitected Raspberry Pi Image Signal Processor, it provides a smooth desktop experience for consumers and opens the door to new applications for industrial customers.

For the first time, this is a full-size Raspberry Pi computer using silicon built in-house at Raspberry Pi. The RP1 “southbridge” provides the bulk of the I/O capabilities for Raspberry Pi 5 and delivers a step change in peripheral performance and functionality.

Aggregate USB bandwidth is more than doubled, yielding faster transfer speeds to external UAS drives and other high-speed peripherals.

The dedicated two-lane 1Gbps MIPI camera and display interfaces present on earlier models have been replaced by a pair of four-lane 1.5Gbps MIPI transceivers, tripling total bandwidth and supporting any combination of up to two cameras or displays; peak SD card performance is doubled, through support for the SDR104 high-speed mode; and for the first time, the platform exposes a single-lane PCI Express 2.0 interface, providing support for high-bandwidth peripherals.

Please note the Pi 5 is a significant redesign, and **Raspberry Pi 4 cases will not fit.**

Technical Details

Specifications:

Processor:

• 2.4GHz quad-core 64-bit Arm Cortex-A76 CPU, with cryptography extensions, 512KB per-core L2 caches, and a 2MB shared L3 cache

Features:

• VideoCore VII GPU, supporting OpenGL ES 3.1, Vulkan 1.2
• Dual 4Kp60 HDMI® display output with HDR support
• 4Kp60 HEVC decoder
• LPDDR4X-4267 SDRAM 8GB
• Dual-band 802.11ac Wi-Fi®
• Bluetooth 5.0 / Bluetooth Low Energy (BLE)
• microSD card slot, with support for high-speed SDR104 mode
• 2 × USB 3.0 ports, supporting simultaneous 5Gbps operation
• 2 × USB 2.0 ports
• Gigabit Ethernet, with PoE+ support (requires separate PoE+ HAT)
• 2 × 4-lane MIPI camera/display transceivers
• PCIe 2.0 x1 interface for fast peripherals (requires separate M.2 HAT or other adapter)
• 5V/5A DC power via USB-C, with Power Delivery support
• Raspberry Pi standard 40-pin header
• Real-time clock (RTC), powered by an external battery
• Power button

Feitian Feitian ePass FIDO2 U2F USB-A SecurityKey – K10

SKU: epass-k10
Type: simple
Categories: Security Key

Price: 14,710 kr

Feitian Feitian ePass FIDO2 U2F USB-C SecurityKey – K40

SKU: epass-k40
Type: simple
Categories: Security Key

Price: 15,878 kr

Feitian Feitian ePass FIDO2 NFC USB-A SecurityKey – K9

SKU: feitiank9
Type: simple
Categories: Security Key

Price: 15,878 kr

Introducing FEITIAN FIDO Security Keys

Feitian ePass K9 security key is compatible with WebAuthN standards. It provides easy and secure online authentication against phishing and MITM attacks.

By choosing FEITIAN Security Keys, the user will achieve:

• Plug-in and Use: Fully compatible with W3C's Web Authentication Standard with HID interface. Plug in and secure your web applications easily.
• Flexibility: Variety product lines with different form factors and functions to meet the requirements of different scenarios.
• Strong Authentication: Authentication via cryptographic proof instead of shared secrets, strong protection against phishing and MITM attacks.
• Phishing resistance: FEITIAN and Yubikey security keys, along with other FIDO-compliant authentication, are the only phishing-resistant MFA methods. So Feitian ePass K9 security keys give you ultimate security.

FIDO Authentication

FIDO(Fast Identity Online) is a project aiming to eliminate the existing problems of traditional username and password schemes. The deployment of public key cryptography ensures no shared secrets between users and web services. Deploying FIDO Authentication in your organization will protect your information against phishing, account takeover, and man-in-the-middle attacks with a simple authentication flow. FIDO authentication is phishing-resistant

Feitian ePass K9 security key is Comparable with Yubikey products

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