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hAP be³ Media

\$ 179

PDF



You asked for the ultimate home router. We built something better. Meet the new hAP be³ Media, your Wi-Fi 7 home media and automation centre.



**Triple band
2x2 MIMO Wi-Fi 7**



5 x 2.5G Ethernet



**Quad-core up to
1.5 GHz ARM CPU**



USB-C + 2x USB-A



**Matter/Thread
radio**



**PoE-in and
DC jack**



Bluetooth 5.4



**Container
support**



**microSD card
slot**

Triple-band 2x2 MIMO Wi-Fi 7. Is this heaven?

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).

Whether you are running a multi-device home, a home lab, workstations, VR headsets, NAS backups, cloud sync, or high-resolution media streaming, everything can run simultaneously without competing for airtime. More bands mean more capacity, smoother performance, and a wireless experience that finally keeps up with modern workloads.

Wireless band
2.4 GHz
Antenna gain
4 dBi

Wireless band
5 GHz
Antenna gain
7.5 dBi

Wireless band
6 GHz
Antenna gain
8 dBi



Check out our YouTube and TikTube videos for this product!



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 home 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, home surveillance footage or a private family cloud.

Self-hosted password managers, documents and services – that is the way in 2026, if you care about privacy and security. Store automation data and container workloads without relying on external servers. Everything stays fast, local, and **fully under your control**. Also, with the MikroTik [BackToHome](#) app and the improved File share functionality in WinBox, you can share large files without worrying about expired links, delays or privacy.



Matter matters: smart home integration has never been easier

With Wi-Fi 7, Bluetooth 5.4, and RouterOS v7, hAP be³ Media provides a solid foundation for modern smart homes. A built-in Thread radio and full container support allow users to deploy Matter-over-Thread home automation solutions that remain local, private, and fully customizable.



Impressive quad-core performance for container-heavy, creative workflows

Powered by a modern 1.5 GHz quad core CPU and built on an efficient ARM64 architecture, hAP be³ Media is ready for far more than traditional networking. Containers, local dashboards, scripting, complex firewall rules, encryption, multiple VPNs, BGP and advanced routing all run smoothly on a single, compact device. This is performance you can rely on today, and capacity that will stay ahead of your everyday needs for years to come.

And if you think containers are complicated – think again! We’ve included a simple one-click setup page in WinBox where you can enable the desired container apps.

From visualizing network topology and hosting lightweight websites to running custom dashboards, security tools or even experimental local AI assistants, containers open the door to a whole new set of possibilities.

As always, the full feature set of hAP be³ Media is available to you without any subscriptions or paywalls. You buy it – you own it, that’s a MikroTik guarantee!



wAP ax LTE7 kit

\$ 169

PDF



A weatherproof Wi-Fi 6 access point with CAT7 LTE and strong dual-band antennas for reliable full property coverage in challenging environments.



Stealthy design



Gigabit Ethernet x2



Expanded frequency support (B28 & B32)



Latest CAT 7 LTE modem



PoE-In & DC jack



Powerful dual-band Wi-Fi 6 radio



Improved next-gen wAP weatherproof enclosure



RouterOS v7

wAP ax LTE7 kit brings fast and reliable Wi-Fi 6 to your countryside getaway or any other challenging environment – like a rural gas station or a bus stop. The updated enclosure enhances durability even further and features a concealed anti-vandal screw behind the MikroTik logo for added security..

Now upgraded with a **CAT7 LTE** modem, **doubled upload speeds**, and a more **powerful ARM** platform, this generation raises the performance bar without changing what people love about wAP or raising the price.

A mighty dual-band, dual-chain (2x2 MIMO) radio ensures strong wireless coverage across your home, yard, or business premises – enhanced by higher antenna gain and a redesigned LTE antenna system for improved signal quality, greater range, and better stability in challenging environments.



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

Enhanced Hardware for Uninterrupted Connectivity and Simple Management



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 LTE7 kit 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.

Stealthy Design – Weatherproof and Vandalproof

wAP ax LTE7 kit 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. A designated indentation at the back of the enclosure marks the drill point for a cable pass-through, enabling discreet and secure wall-mounted installations.



LHGG LTE7 kit

\$ 169

PDF



Great distances. Even greater performance. High-speed Internet even where your phone has no signal – now with CAT7 LTE and doubled upload speeds.



Modern dual-core ARM CPU



Fast and responsive LTE Category 7 modem



Gigabit Ethernet with PoE-In



Expanded frequency support (B28 & B32)



Grid antenna design – perfect for harsh, windy weather



Large high-gain antenna

Wherever life takes you, the signal follows

The LHGG LTE7 kit is designed for reliable “last mile” Internet access in remote locations. Mount it outdoors on a pole or mast and **connect even where cell phones fail**. Equipped with a high-gain 17 dBi directional antenna and a CAT7 LTE modem with up to 100 Mbps upload speed, it delivers stronger performance and better responsiveness in rural and high-demand environments. The doubled uplink capacity makes it better suited for video surveillance, VPN, remote work, and multi-user rural deployments.



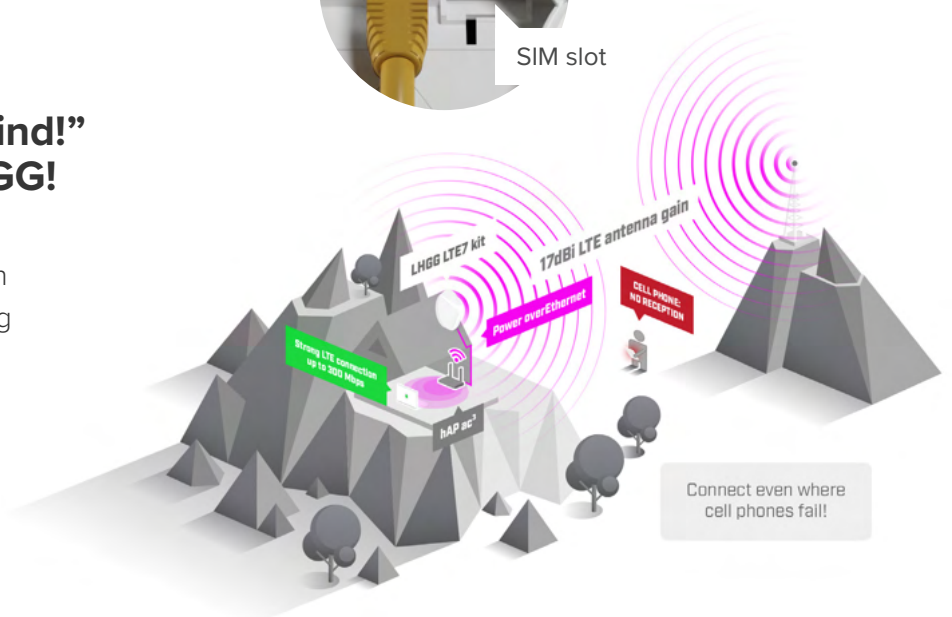
Gigabit Ethernet

SIM slot

“Must have been the wind!” – not a problem for LHGG!

The lightweight grid antenna design reduces wind load while maintaining high gain. And it can be mounted in different ways, including poles and masts.

A durable enclosure and operating temperature range from -40°C to +70°C ensure reliable performance in demanding climates. Finally, a massive heat sink keeps the system stable even under continuous load.



Don't wait for the cable networks to reach you – choose the LHGG LTE7 kit and always stay connected!

SXTsq Embedded LTE4

\$ 89

PDF



European/EMEA LTE bands

SXTsq Embedded LTE4 Global

\$ 99

PDF



Global edition - added extra USA/non-EMEA LTE bands

A cost-effective outdoor LTE device with an integrated 2x2 MIMO directional antenna – so you can always stay connected, even in the countryside, and on the tightest budget!



IP67 rated enclosure



Modern ARM CPU



Gigabit Ethernet



2x2 MIMO



eSIM + NanoSIM



PoE-In

Not every connection needs maximum speeds – sometimes you just need a reliable and affordable way to get online wherever life takes you.

The **SXTsq Embedded LTE4 / SXTsq Embedded LTE4**

Global is designed for practical connectivity in rural homes, cabins, construction sites, and remote locations where traditional broadband may not reach.

Mount it outdoors, point it toward the nearest tower, and get reliable LTE connectivity where traditional broadband may not reach. The integrated directional antenna improves signal quality and stability – especially in rural environments.

Powered by **RouterOS v7**, the device offers the full MikroTik networking stack:

- advanced routing
- firewall and VPN support
- remote management
- traffic control and monitoring
- automation and scripting



supports



Connectivity & eSIM!

*From cabins to construction sites:
weatherproof, affordable, durable
& compact!*

From simple internet access to complex network setups – it adapts to your needs. Built for **reliable and affordable outdoor connectivity**, the SXTsq Embedded LTE4 features a **Cat4 LTE modem, integrated 2×2 MIMO directional antenna**, a speedy **ARM CPU, 256 MB of RAM, PoE-in (12–57 V)**, and a rugged **IP67 enclosure** – all running **RouterOS v7** with just **5 W max power consumption**.

eSIM + Nano SIM – connectivity made easier

The SXTsq Embedded LTE4 introduces **eSIM** support to this popular outdoor platform.

Activate a data plan remotely and bring devices online without handling physical SIM cards. This is especially useful for **remote deployments, backup connections, and distributed installations**.

For additional flexibility, the device also includes a **Nano SIM slot**, allowing you to use traditional mobile operators when needed.

Fast deployment, flexible connectivity – exactly what modern networks demand.



Two modem variants are available to match different deployment needs.

SXTsq Embedded LTE4 (EC25-EU)

Optimized for **EMEA networks**, supporting the most common LTE bands used across Europe and nearby regions.

SXTsq Embedded LTE4 Global (EG25-G)

Expanded LTE band support for **North America and global deployments**, making it suitable for international projects and multi-region installations.



Your network, your rules: eSIM or NanoSIM

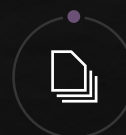
SXTsq Embedded LTE4 / SXTsq Embedded LTE4 Global has a **true embedded SIM (eSIM)** built right in, fully compatible with:



MikroTik Connectivity
(pre-activated data plans)



Third-party eSIMs
(Mobile operator eSIM profiles)



Multiple eSIM profiles
(easily added, switched, or stored)

KNOT Embedded LTE4 Global

\$ 89  

Industrial LTE/BLE/GNSS connectivity that fits anywhere. Originally designed for coffee and vending machines – perfect for all kinds of industrial automation.



LTE Cat4 mobile connectivity



Bluetooth for IoT sensors



DIN rail mounting supported



Gigabit Ethernet



GNSS/GPS



eSIM + Nano SIM



GPIO



2x2 MIMO



PoE-In

supports



Connectivity

PTCRB + AT&T + T-mobile certified!

This is the Global version with expanded LTE band support for North America and other non-EMEA markets!

Sensor-ready GPIO header for simple automation and monitoring (Digital input/Analog Input/OD output). All pins are 24V tolerant.



The unit requires external antennas – choose the models that match your environment and customize the KNOT to your specific needs.



Check out our YouTube and TikTok videos for this product!



KNOT Embedded LTE4 is a tiny but powerful industrial LTE gateway designed for integrators, automation specialists, and IoT system builders. It fits into tight spaces, **mounts directly on a DIN rail**, and delivers reliable **LTE Cat4** connectivity with **Bluetooth** and **GNSS** support.

The built-in Bluetooth scanner supports Long Range Bluetooth and Extended Advertising, enabling reliable communication with MikroTik Bluetooth tags and other BLE sensors. Gather telemetry, track assets, and securely transmit data over LTE from a single compact device.

Use it as a primary gateway, a backup link, or an IoT data collection node – everything is powered by RouterOS for maximum flexibility.



Powered by RouterOS – full networking stack, VPNs, firewall, SMS control and notifications, automation, remote management, and so much more!

KNOT Embedded LTE4 is made for environments where space is limited but reliability is critical:

- Smart city infrastructure (parking, sensors, metering)
- Coffee and vending machine monitoring
- Industrial automation cabinets
- Environmental & utility monitoring
- Vehicle or asset tracking with GNSS
- Retail kiosks, payment terminals, digital signage
- LTE backup connectivity for existing Ethernet devices
- IoT gateways for BLE sensors and beacons



Whether you're building a new system or adding LTE to an existing installation, KNOT Embedded LTE4 adapts easily. It's easy to integrate, easy to deploy, and built to perform in harsh environments – from smart city deployments to industrial automation and mobile tracking.

MikroTik Connectivity is available for the USA region

One simple plan provides dual-operator access via AT&T and US Cellular for reliable nationwide coverage. Data plans follow the same pricing structure as our EU [Connectivity offer](#).

With MikroTik eSIM, you can activate a data plan directly from your MikroTik account and get online within minutes. No physical SIM cards, no carrier contracts, no activation delays. Ideal for IoT deployments, remote installations, backup connectivity, and low-usage setups where fast and simple deployment matters.

Smart weatherproof (IP67) Fiber-to-Copper conversion with built-in power resilience – because you deserve some stability in your life!



Supports 802.3af/at and Passive PoE-out



IP67 weatherproof enclosure



2x Gigabit Ethernet



2.5G SFP

Fiber is fast. Fiber is reliable.
Until the power starts misbehaving.

At the network edge, it is rarely the fiber that fails. It is unstable power, brownouts, short outages, and voltage drops that trigger renegotiations, device reboots, and unnecessary support tickets. The FTC21-ups is built to save you some major headaches when dealing with unreliable power sources.



Check out our YouTube and TikTok videos for this product!



Not just a converter

The FTC21 is not just a simple media converter. It runs a full version of SwOS Lite, offering advanced management features:

- Interface monitoring and management
- VLAN support
- SNMP reporting
- Basic traffic shaping
- Advanced packet filtering with Access Control Lists - allowing for packet filtering, accounting, and VLAN tagging based on Layer 2, 3, and 4 protocol header conditions.

Built-in batteries

What makes the FTC21-ups different is what happens when power becomes unstable. Inside, there is a pair of Li-Ion NCA 18650 batteries. Not for running your network all night, but for surviving short outages, brownouts, and those moments when everything almost crashes.

It keeps the link up when the power is flickering, preventing unnecessary device renegotiation.

The battery is intelligently managed:

- Inactive during shipping;
- Activated on first power-up;
- Can be put into ship mode remotely via SwOS when necessary.

Real-world battery runtime examples (20 °C)

Estimated from measured battery behavior. Actual runtime depends on load and temperature.



Flexible powering

The FTC21-ups gives you:

- 2 DC inputs – PoE-in and DC jack
- PoE-in (802.3af/at), 48–57 V
- DC jack input 24–57 V

On **Ether2**, you also get **Passive PoE-out with a selectable voltage of 24 or 48 V via the hardware switch**. You will see clear LED indicators for power, PoE-in, Ethernet activity, and SFP activity, so you always know what is happening.

FTC21-ups is all about predictable behavior at the network edge, when power is the least predictable part of the system. You probably already have enough stress in your life. Let the FTC21-ups take some of it away!

TG-LR82

\$ 29

PDF



A configurable LoRaWAN sensor tag: a flexible and cost-effective tool to gather data and make informed operational decisions. Monitor temperature, humidity, motion and events with a configurable LoRaWAN sensor tag designed for demanding IoT deployments.



Humidity, motion & tilt detection



Magnetic reed switch support for doors, lids, cabinets



Configurable profiles and rules



Battery lifetime: ~5 years, depending on configuration



Temperature monitoring



Event-based telemetry



IP67 rated enclosure



Designed for long deployments



2.4 GHz support

TG-LR82 combines multiple sensors, intelligent event rules and flexible reporting profiles in one compact device – making it easy to monitor environments, equipment and logistics across long distances. Designed to work seamlessly with MikroTik LR8 gateways and modern monitoring platforms.

LoRaWAN®
CERTIFIED

1.0.4 Class A, B

All-in-one sensor with local data processing

TG-LR82 combines environmental and motion sensing with onboard data processing. High-accuracy temperature reporting makes the TG-LR82 extra suitable for monitoring temperature-sensitive goods and environments. The device can generate temperature and humidity averages or histograms before transmitting telemetry. This reduces network traffic while preserving valuable insights about environmental conditions.

Automation: when conditions change, the sensor reacts

TG-LR82 supports multiple configuration profiles and event-based rules, allowing the device to adapt automatically to changing conditions. This enables powerful monitoring scenarios without complex backend logic.

TG-LR82 supports flexible configuration via LoRaWAN downlinks. Generate payloads using a dedicated configuration tool or integrate with platforms such as The Things Network (TTN).



Normal operation. Device sends telemetry data every 6 hours.



Door opens (magnetic switch triggered). Device switches profile and sends updates every 5 minutes.



2.4 GHz flexibility for LoRa!

TG-LR82 also supports 2.4 GHz LoRa, enabling deployments without regional frequency restrictions. Unlike sub-GHz LoRa bands that vary by region, 2.4 GHz LoRa can be used globally without frequency switching. Typical range can reach around 1.5 km, depending on gateway antenna and environment. This makes it a practical option for moving assets such as container ships or international logistics systems..

Explore the
2.4 GHz LoRa line!



Similar logic can be used for other monitoring scenarios: **temperature or humidity thresholds, impact or free-fall detection, orientation or tilt monitoring**, equipment and **asset activity tracking**, and so on. An integrated magnetic reed switch enables door or lid detection and allows simple interactions with the device using a magnet. From cold-chains to storage facilities, from logistics to environmental research – our TG-LR82 can fit many roles!

Works with your monitoring stack

Sensor data from TG-LR82 can be visualized and analyzed using modern monitoring platforms such as Grafana. With MikroTik RouterOS container support, Grafana dashboards can be deployed quickly, enabling real-time telemetry visualization and historical analysis.

Example telemetry insights include:

- Temperature and humidity trends
- Orientation and activity states
- Environmental histograms
- Battery status and signal strength



DQ+BC0003-DS+

\$ 79  

DQ+BC0003-DS+ is a QSFP56 200G to 4× 50G break-out cable designed to unlock the full flexibility of our recent 200G and 400G platforms.

It allows you to split a single 200 Gigabit QSFP56 port into four independent 50 Gigabit connections – perfect for maximizing port utilization and connecting multiple high-speed devices without additional hardware.



Just like its predecessor XQ+BC0003-XS+, this cable also supports splitting:

- 100G into 4×25G
- 40G into 4×10G

And now adds:

- **200G into 4×50G**

This extended compatibility makes it an ideal companion for next-generation switches such as the **CRS812 DDQ** and **CRS804 DDQ**, enabling flexible 200G/400G port deployments without complexity.

The cable is 3 meters long – the perfect length to reach all the necessary spots while keeping your server room neat and tidy.

Did you know? The MikroTik app is also available on F-Droid!

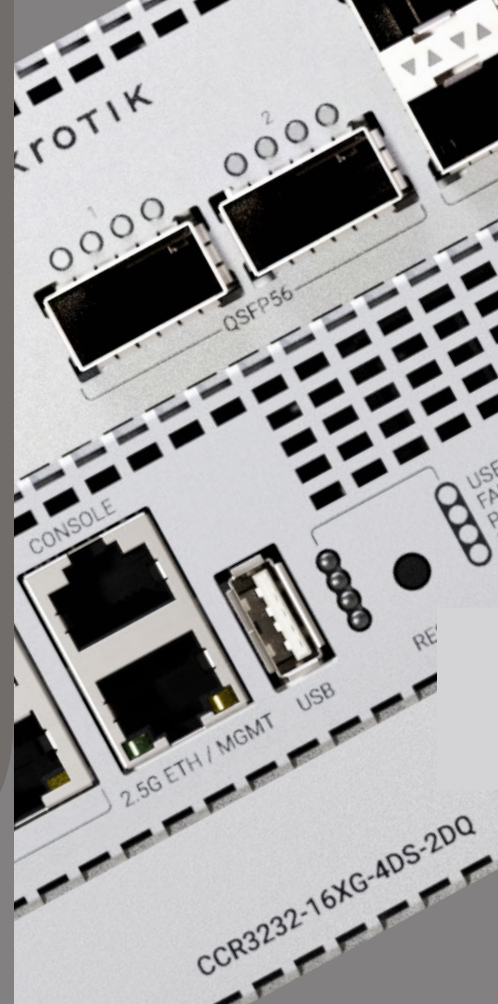
This is especially useful for people running de-Googled devices or those who prefer more control over their software sources.

F-Droid is known for its focus on open-source and transparency. It offers a more direct way to install and update the app. Our apps in this repo don't send any usage statistics or crash reports, ensuring a completely telemetry-free experience.



MikroTik launches its most powerful Cloud Core Router powered by Ampere® Altra®

MWC Barcelona, Spain – [March, 2] – MikroTik introduces its highest performance Cloud Core Router (CCR) to date, powered by **Ampere Altra Arm-based server CPUs**. The new CCR family is built for **core and aggregation roles in regional data centers**, enterprise and campus networks, **government and financial infrastructure**, and **telecom** environments where reliability, performance, and flexibility are critical.



The new CCR family is **powered by Ampere Altra Arm-based CPUs**, offering configurations with **up to 64 CPU cores** and **up to 64 GB of DDR4 memory**. This architecture gives operators the ability to **handle full internet routing tables, large BGP sessions**, MPLS, advanced filtering, and **containerized services on the same platform**, without moving to traditional x86 routing systems.

CCR3232-16XG-4DS-2DQ





Connectivity is built for modern aggregation layers. Packet processing is supported by a **high-performance Marvell DX7335 switch chip with L3 hardware offload**, ensuring efficient forwarding under the heaviest loads. The router includes **two 200G QSFP56 ports**, four 50G SFP56 ports, and sixteen 10G Ethernet ports, allowing it to serve as a high-speed core router, aggregation point, or edge device in 200G and 400G environments. Selected ports, including the 200G interfaces, support MACsec (802.1AE) hardware encryption, ensuring secure data transmission without compromising performance. Full details will be provided in the final specifications.

Traditional high-capacity routing platforms often require significant investment, proprietary ecosystems, and higher power budgets. By combining Ampere's high-performance, low-power design with MikroTik's RouterOS flexibility, this new CCR offers a practical alternative for operators who want scalable infrastructure without enterprise-only pricing models.

CCR3232-12DS-4DQ

"High-speed infrastructure is evolving rapidly, especially with the growth of AI workloads and high-density peering," said John Tully, CEO of MikroTik. "With this Ampere-powered Cloud Core Router, we are delivering a platform that can grow with those demands while keeping the flexibility and accessibility that define MikroTik."

"Ampere processors provide high performance and power efficiency, enabling solutions that manage demanding routing tasks and advanced services on a single, cost-optimized platform," said Jeff Wittich, Chief Product Officer at Ampere. "MikroTik's Ampere-based products deliver an innovative, efficient alternative that allows operators to build scalable infrastructure without traditional pricing models."

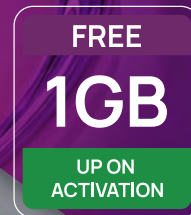
Additional configurations will expand interface flexibility, including models such as the CCR3232-12DS-4DQ, featuring 12x 25G/50G SFP56 and 4x 100G/200G QSFP56 connectivity on the same mighty Ampere Altra platform and Marvell DX7335 switch chip with MACsec support.



This is a render. Final product design is subject to change.

Limited time offer

KNOT Embedded LTE4 & KNOT Embedded LTE4 Global free Gigabyte MikroTik Connectivity activation!



The **KNOT Embedded LTE4 & KNOT Embedded LTE4 Global** is a compact industrial LTE Cat4 gateway designed for IoT deployments, automation systems, and remote monitoring. It features **Bluetooth for IoT sensors, GNSS/GPS support, and flexible RouterOS networking capabilities**, making it ideal for applications such as smart city infrastructure, industrial automation, asset tracking, and telemetry collection.

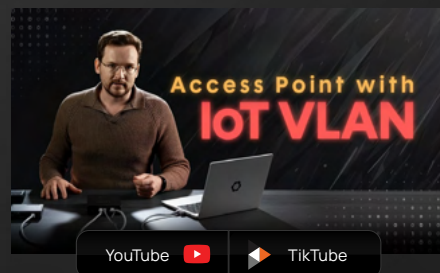
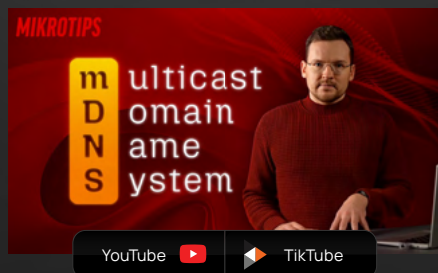
Customers receive the first 1 GB of MikroTik Connectivity free when activating the MikroTik Connectivity subscription on a KNOT Embedded LTE4 device.

**FREE 1GB
OF DATA - A
QUICK GUIDE!**



* First 1 GB of data during the first 30 days is free when activating the MikroTik Connectivity subscription. Offer valid once per device.

New #MikroTips and tricks!



A review Spotted online: "MikroTik's Weird PCIe Card - CCR2004-PCIe Testing"



RAID Configuration on ROSE Data Server
- MikroTik Indonesia deep-dive, ENG SUBTITLES

