MikroTik
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Introducing LtAP - a heavy-duty 4G (LTE) access point with GPS support

The new LtAP is a compact 4G (LTE) capable weatherproof wireless access point – perfect for busy urban environment or off-the-grid outdoors networking. It has a built-in cellular modem that supports 4G (LTE) connectivity – no need for additional devices, it works out of the box.

Its high power 2.4 GHz 802.11b/g/n wireless capability provides secure access to LTE network from your phone or any other wireless device with up to 150 Mbps download speed. You can also use a Gigabit Ethernet LAN port for your wired devices. There are several power options – DC jack, PoE-in and automotive.

The rugged and extremely durable case with a special wall mounting kit will be perfect for almost any challenge: from public transportation, food trucks or logistics to harsh winter and stormy desert environment. LtAP can handle any temperature from -40 C° to +70 C°. It is a perfect solution for tracking vehicles in real time. We have provided a simple tracking application example in the RouterOS documentation to help you get started. LtAP even has 3 Mini SIM slots for easy roaming management. Saves your time and money worldwide!

The unit comes with an extra miniPCIe slot, offering many expansion options. For example, you can install a second LTE modem for redundancy or a 5 GHz interface to have dual concurrent 2.4 GHz / 5 GHz AP + LTE. Another miniPCIe slot is already populated with the LTE modem.

LtAP has a RS232 serial port, which gives you console access for debugging, as well as full size USB for other devices.

The new LtAP is more than an access point – it is what you need it to be wherever you need it to be.

Three models are available:

- LtAP LTE kit (RBLtAP-2HnDP-LTE) with R11e-LTE modem for International bands 1, 2, 3, 7, 8, 20, 38 and 40.
- LtAP 4G kit (RBLtAP-2HnDP-4G) with R11e-4G modem for International / USA bands 3, 7, 20, 31, 41n, 42 and 43.
- LtAP (RBLtAP-2HnD) without LTE card.

LtAP LTE kit | LtAP 4G kit | LtAP

wAP ac LTE - powerful and versatile dual-band wireless access point with LTE support

Small package with huge ambition – the wAP ac LTE is an extremely cost-effective dual-band (2.4 / 5 GHz) home access point based on our popular weatherproof wAP form factor. It 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 also enjoy 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.

Don't be fooled by the compact size – this device is powered by a four core 716 MHz CPU and 128 MB RAM, capable of handling heavy loads. Dual-chain 2.4 GHz and dual-chain 5 GHz wireless for dual concurrent AP 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 tasks that are sensitive to packet loss – such as streaming high-quality videos.

High performance, great value, astonishing durability, functional and non-intrusive design – wAP ac LTE will meet most demands without making sacrifices.

From $129

wAP ac LTE kit

wAP ac 4G kit

wAP R ac

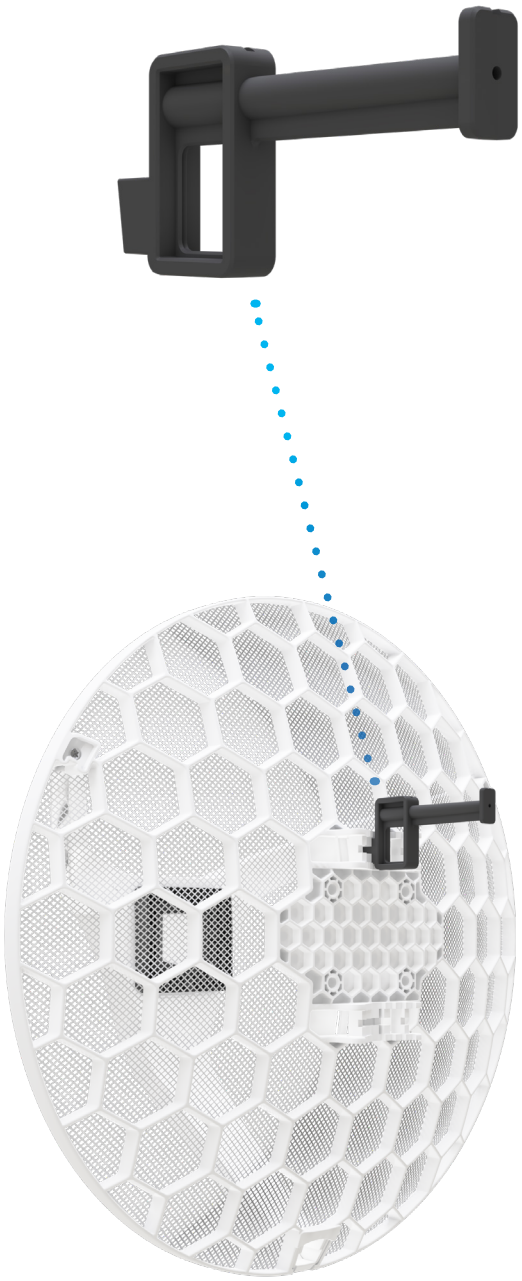
Three models are available:

- wAP ac LTE kit (RBwAPGR-5HacD2HnDP-LTE) with R11e-LTE modem for International bands 1, 2, 3, 7, 8, 20, 38 and 40.
- wAP ac 4G kit (RBwAPGR-5HacD2HnDP-4G) with R11e-4G modem for International / USA bands 3, 7, 20, 31, 41n, 42 and 43.
- wAP R ac (RBwAPGR-5HacD2HnD) without LTE card.

LHG 60G - a high-speed 60 GHz CPE point-to-multipoint unit, perfect solution for crowded wireless spectrum

No need to share 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 5 GHz 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 smooth connection with data rate up to 2 Gbps.

Aim tool included!



The effective point-to-point distance between 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°. Antenna element is built into the wireless unit – no loss on cables.

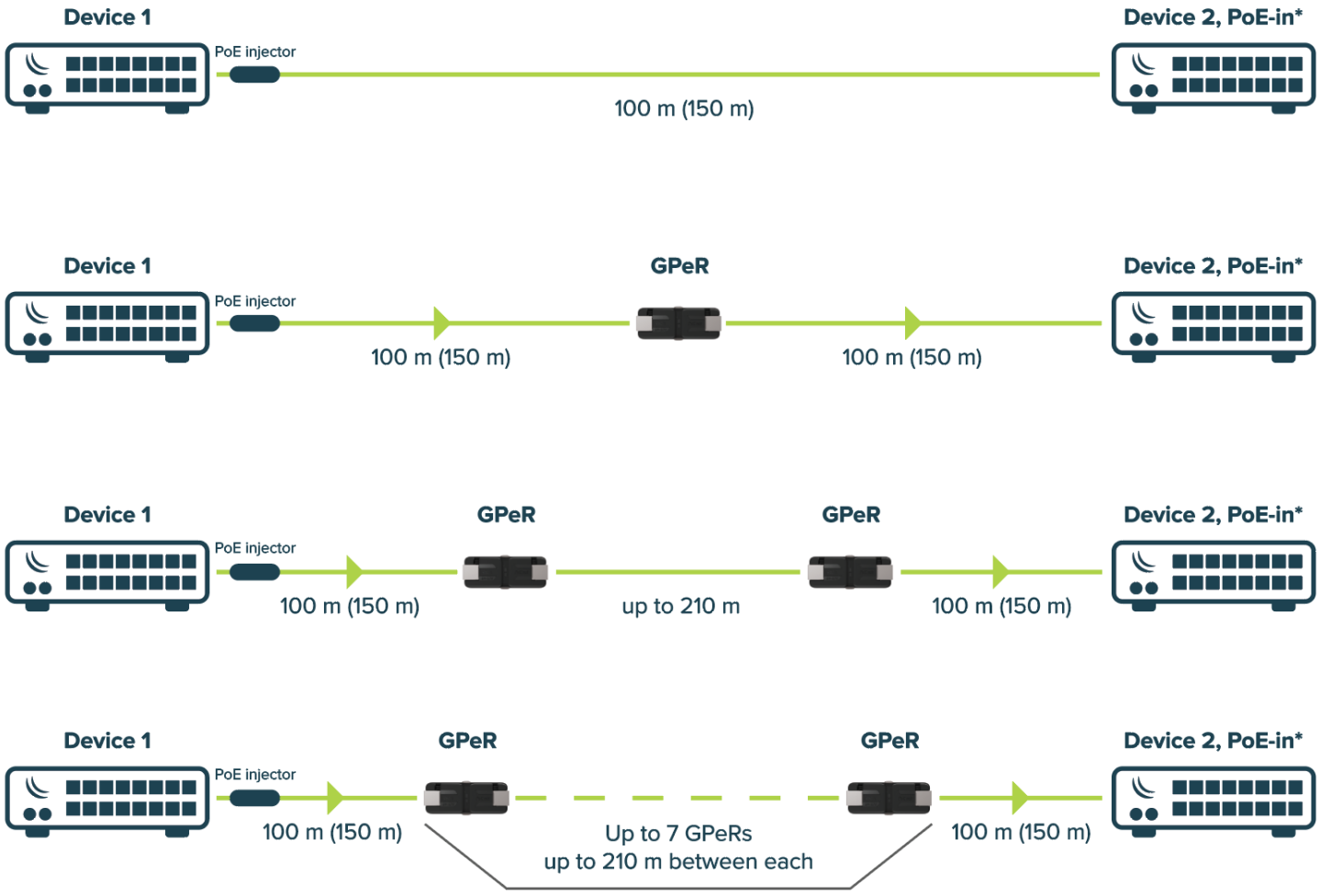
LHG 60G is shipped with an aim tool for easy precision alignment and strong metal LHG mount. Order it today and forget about wireless interference!

View online

Gigabit Passive Ethernet Repeater (GPeR) - best way to extend your Ethernet network in the trickiest spots

GPeR is a part of our new concept to replace Gigabit-capable Passive Optical Networks with powerful Ethernet solutions. It is considerably cheaper and so much easier to deploy!

The GPeR unit allows to extend Ethernet cable by additional hop (< 100 – 150 m to regular network devices, up to 210 m to another GPeR unit) up to 1,500 m. Maximum length of CAT6 Ethernet cable between GPeR and power source/router is up to 100 m. Maximum distance of CAT6 Ethernet cable between two GPeR devices is up to 210 m. Higher quality cables will enable longer distance.



Especially handy for high-rise office buildings, apartment buildings and co-working spaces with many floors and sections, where very long Ethernet or fiber optic cables might be a problem. GPeR is a product of pure function – nothing superfluous.

View online

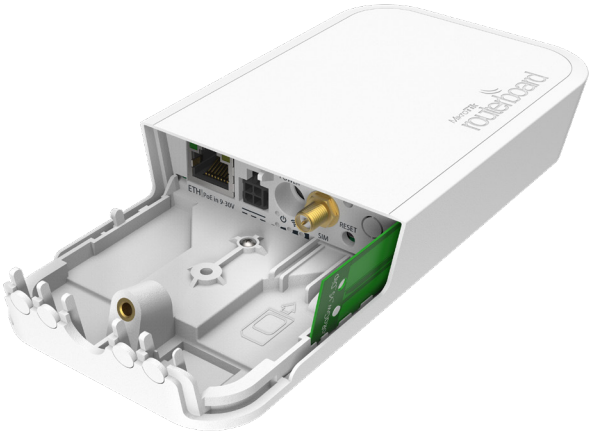
New MikroTik LoRa products - Internet of things has never been so affordable

This summer we are preparing some great news – by popular demand MikroTik is bringing you new, powerful LoRa products for the fraction of the cost you would expect.

R11e-LoRa8EU – a new LoRaWAN concentrator Gateway card in miniPCIe form factor based on Semtech SX1301 chipset. It enables LoRaWAN connectivity for any MikroTik product that has miniPCIe slot with connected USB lines.

With the support of 8 different channels in 868EU band, Listen Before Talk (LBT) and Spectral scan features this product will astound you with its enticing price point – **under $100**. Max output TX power – 16 dBm, max sensitivity level on SF12 rate - 134 dBm.

wAP LoRa8 kit – an out-of-the-box solution to use LoRaWAN gateway. This kit contains wAP 2nD device with 2.4 GHz WLAN interface and Ethernet port that could be used as a backend connection and pre-installed UDP packet forwarder to any public or private LoRa servers. You can attach an external antenna (see below) or use internal 2.5 dBi antenna. Once again the price is a real bargain – **under $200!**



LoRa Antenna kit with a 6.5 dBi Omni antenna for 824 - 960 MHz, 1 m long SMA cable and mechanical holder for quick and easy mast attachment – when you need that extra network coverage.

These products are ready to work with 'The Things Network' - the famous open-source infrastructure that provides free LoRaWAN network coverage and has tons of apps for your needs. The Things Network helps you get started with the Internet of things in a day. Cattle tracking, smart irrigation and thermostats, smart metering and so on – the possibilities are endless. The setup is so simple, anyone can get started really quickly. With an SLA backed service by 'The Things Industries', it has never been easier to deploy secure and scalable LoRaWAN solutions. There is a global community of developers, businesses and enthusiasts – you will never be alone with your questions and ideas regarding LoRaWAN network. No need to reinvent the wheel – join The Things Network to save time and energy with smart solutions!

With this product family we aim to provide the most affordable LoRa solution to date without compromising quality or performance.

More information coming soon, make sure to subscribe to our newsletter and follow us on Facebook!

Wi-Fi on Mount Everest

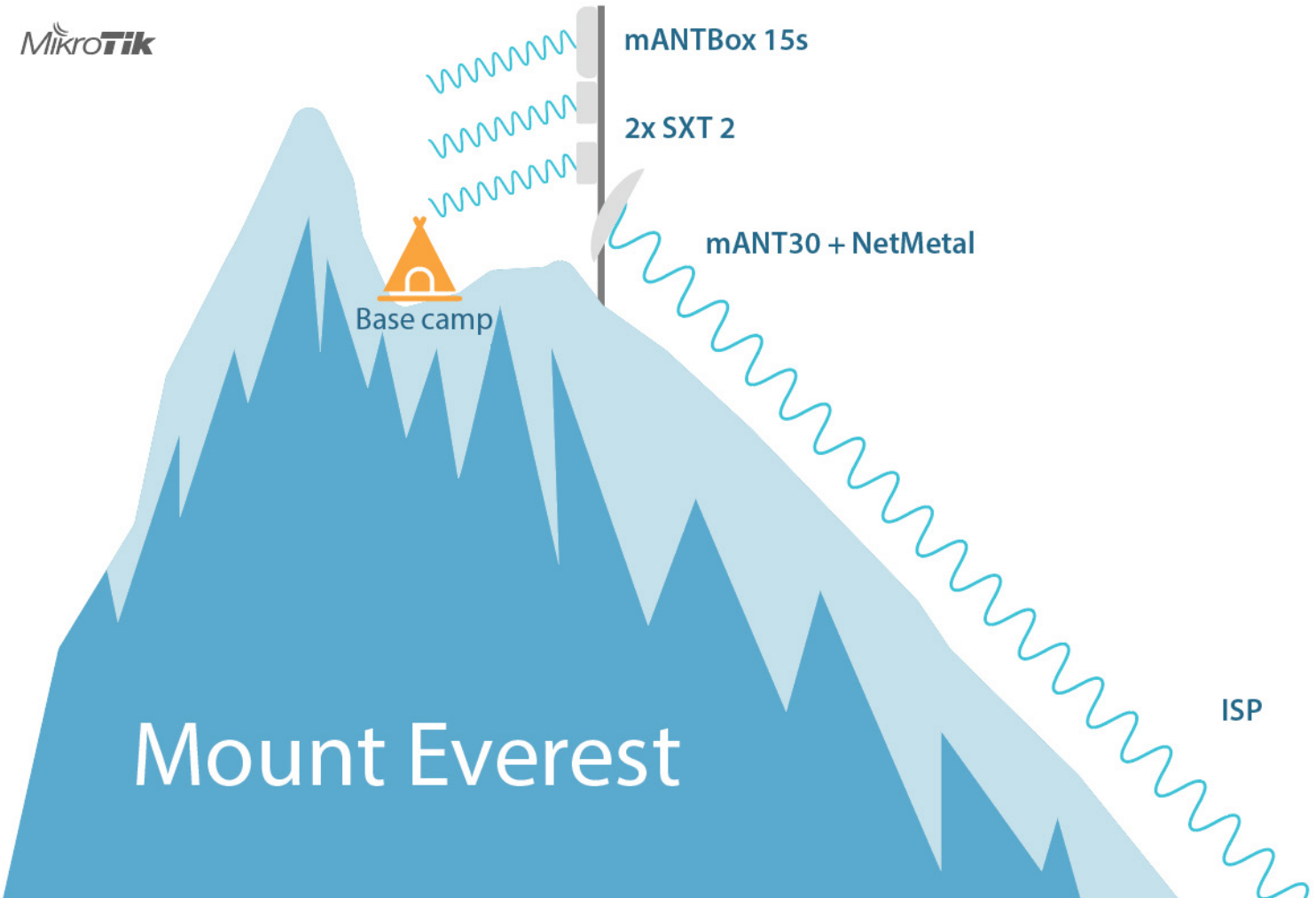
What do climbers miss the most during their trips? Food, oxygen, heat? For many people the answer is friends and family. That's why we are happy to see our devices as a part of the "Everest Link" success story – a reliable and accessible alternative for satellite communications at the Everest base camp. They provide ~30 local Wi-Fi modems to expeditions, their system can transmit around ~50 megabytes per second. Most climbers use this connection to talk to their loved ones.

(c) Freddie Wilkinson, National Geographic

Since this story has been featured by National Geographic, many people have asked – what setup would we recommend for such extreme environments?

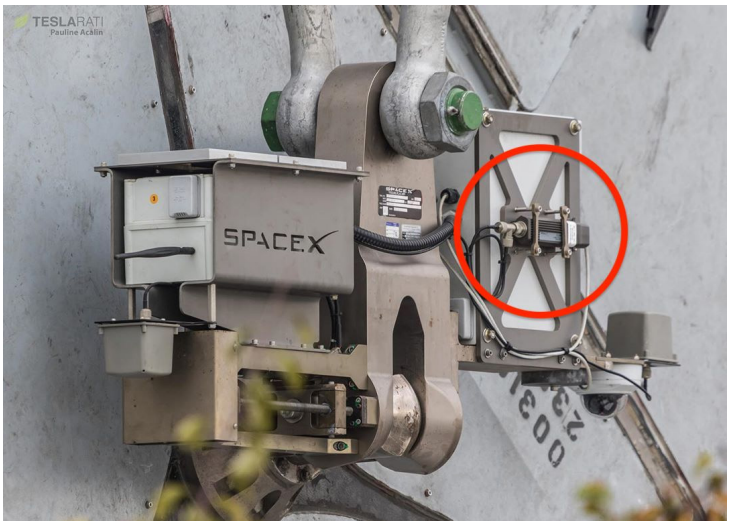
Well, while the options are endless, we suggest a strong and cost-effective combination of several SXT 2 CPE devices, a NetMetal 5 triple router, mANT30 antenna and a mANTBox 15s. This extensive setup will be easy to maintain and should last ages. The NetMetal router is both unbelievably sturdy and simple to use: it can even be opened and closed with one hand, which might come in handy in the mountains.

If you have an extreme or interesting MikroTik setup – feel free to share it with us!



MikroTik goes to space

We design our devices to endure any environment, but seeing our Metal series wireless radio device on the lifting mechanism of SpaceX Falcon rocket – that's a surreal experience. Who knows – maybe someday there will be a network of MikroTik distributors on Mars?



(c) Pauline Acalin (Teslarati)

If you are looking for a powerful outdoor wireless device with otherworldly durability, look no further than the Metal 52 ac. It has a Gigabit Ethernet port and a selectable wireless band (2.4 GHz or 5 GHz, up to 80 MHz wide channel).

Its fully sealed, industrial design metal case, super high output power and adaptability will prove useful in many situations. The Metal comes with an AP software license, so you can use it as an AP, to make wireless point-to-point links or as a CPE – whatever you prefer!

We wish Mr. Elon Musk and the amazing team of engineers behind the SpaceX project best of luck in the upcoming launches!

Upcoming MUM events in 2019

Meet MikroTik staff, certified trainers, master distributors and top network engineers. Witness latest technology demos and receive answers to all your networking questions!

Admission is FREE. There is no minimum attendance requirement, we welcome novice users and seasoned professionals. People of all skill levels will find something useful at the MUM. Any questions? Do not hesitate to contact us!

Bogota, Colombia, August 09 | Quito, Ecuador, August 12 | Moscow, Russia, September 06 - 07 | Chisinau, Moldova, September 10 | Lisbon, Portugal, September 20

Markham, Toronto, Canada, September 24 | Shenzhen, China, October 19 | Kuta, Bali, Indonesia, October 24 - 25 | Foz do Iguaçu, Brazil, November 28 - 29 | Santa Cruz de la Sierra, Bolivia, December 03