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MikroTik YouTube channel update: new product videos and more!

We are updating our channel with tons of fresh content. First of all, new MikroTik products will have a separate video overview right from the source: we record everything at the MikroTik headquarters in Riga. In these product videos we are going over the main features and basic use cases.

But that's not all! We are also aiming to provide advanced tips and tricks with other series, such as "Diving deep into RouterOS". The first episode is already live – Normunds and Maris from MikroTik support have prepared a [detailed video](#) about BGP, OSPF, speed improvements, and other v7 news.



Make sure to subscribe so you don't miss out on the exclusive MikroTik content! If you have any suggestions or requests for future videos – let us know in the comment section.

Wireless Wire Cube

\$ 248



REACH DISTANCE UP TO 800 M



60 GHZ WITH AUTOMATIC
5 GHZ BACKUP CONNECTION



COMPACT AND DURABLE



IOS/ANDROID APP FOR QUICK AND
EASY CONFIGURATION



GIGABIT ETHERNET WITH POE-IN



POWERFUL QUAD-CORE CPU

If you are managing networks in a large, busy area (like a park or a stadium), then you have probably experienced all kinds of problems – massive interference, signal loss during bad weather, etc. And laying wires everywhere can be clumsy and expensive, sometimes even impossible. Finally, there is a simple, secure and extremely cost-effective solution: **the Wireless Wire Cube.**



It is a kit of two pre-paired devices that form a blazing fast AES encrypted wireless connection. Pure plug-and-play: just point the Cubes at one another and power them on!





The 60 GHz frequency is unaffected by the crowded wireless spectrum, it offers high speed and capacity. Traditional 60 GHz devices, however, can have limited connectivity during bad weather. But not the **Wireless Wire Cube!** It features an automatic 5 GHz backup connection, so you don't have to worry about any downtime. **No need for additional configuration - the 5 GHz backup connection works out-of-the-box! The Cube will take care of your connection at all times.**



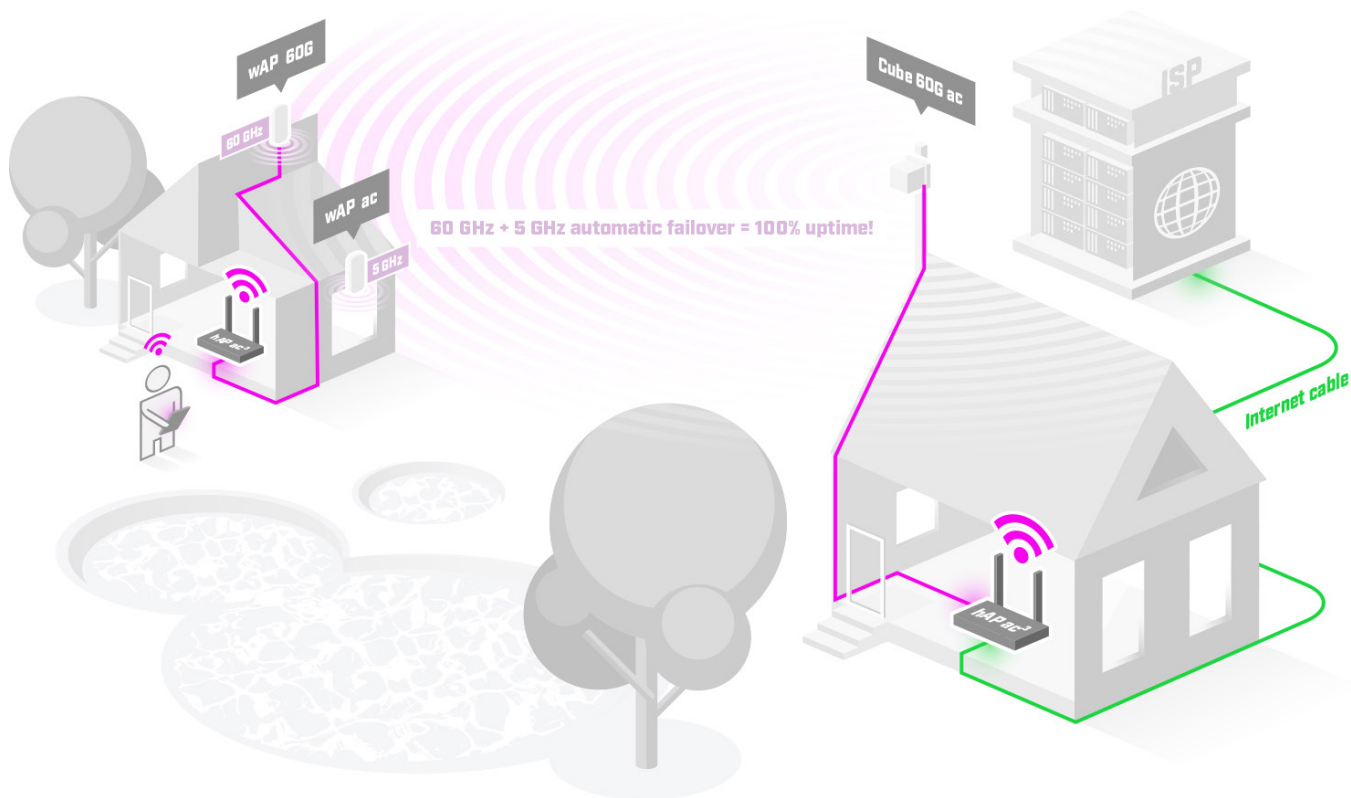
It can easily cover a distance of 800 meters and reach fiber-like speed. The Cube form-factor has been designed with function and durability in mind. And it attracts less unwanted attention due to its size and shape. The box includes two Cube 60G ac devices that are already paired together, power supplies, PoE injectors and mounting kits for both devices.

Cube 60G ac

\$ 124 

-  REACH DISTANCE UP TO 800 M
-  60 GHz WITH AUTOMATIC 5 GHz BACKUP CONNECTION
-  COMPACT AND DURABLE
-  IOS/ANDROID APP FOR QUICK AND EASY CONFIGURATION
-  GIGABIT ETHERNET WITH POE-IN
-  POWERFUL QUAD-CORE CPU

A single unit from the Wireless Wire Cube kit is called Cube 60G ac. You can order it separately for custom deployments. Connect up to eight of these units to a 60 GHz access point, such as our wAP 60G AP or wAP 60Gx3 AP, and enjoy smooth and stable wireless signal up to 500 meters in point-to-multipoint mode or up to 800 meters in point-to-point mode.



LHGG LTE6 kit

\$ 199



HIGH-SPEED INTERNET EVEN WHEN YOUR PHONE HAS NO SIGNAL!



GRID ANTENNA DESIGN – PERFECT FOR HARSH, WINDY WEATHER



LARGE HIGH-GAIN ANTENNA



GIGABIT ETHERNET WITH POE-IN



POWERFUL DUAL-CORE CPU AND 256MB RAM



300 MBPS CAT6 LTE MODEM



EXTREME VERSATILITY WITH THE POWERFUL ROUTEROS

Do you want high-speed internet in the middle of nowhere? Then you want our newest LHGG LTE6 kit! It is a device for “last mile” internet access in very remote locations. Mount it outdoors, on a pole, mast or any tall structure, and connect even where cell phones fail. Due to its large high-gain 17 dBi antenna, LHGG LTE6 kit can connect to cell towers in extreme rural locations, giving you the ability to provide last mile internet access where nothing else is available.



With Gigabit Ethernet, an upgraded dual-core CPU, powerful 17 dBi antenna and a massive heat sink, you can trust the LHGG LTE6 kit to handle any challenge!

The LHGG LTE6 kit features a 300 Mbps CAT6 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. We have seen internet speed doubling in rural areas after switching to CAT6, so there is no need to wait for cable network expansions.

This device features a Gigabit Ethernet port with PoE-in for powering the device from the Ethernet port. The grid antenna design can withstand harsh, windy weather and can be mounted in different ways. There is a massive heat sink, so you don't have to worry about overheating. With this device you can really focus on the important stuff while the tech simply works in the background.

So don't wait for the cable networks to reach you – choose LHGG LTE6 kit and always stay connected!

Gigabit Ethernet

SIM slot



wAP - upgraded version available!

\$ 89



TWO GIGABIT ETHERNET PORTS



ENHANCED WIRELESS ANTENNA PERFORMANCE



CAN BE SECURELY FIXED TO ANY EXTERNAL WALL



STRONG DUAL-CHAIN DUAL-BAND WIRELESS



BETTER COOLING



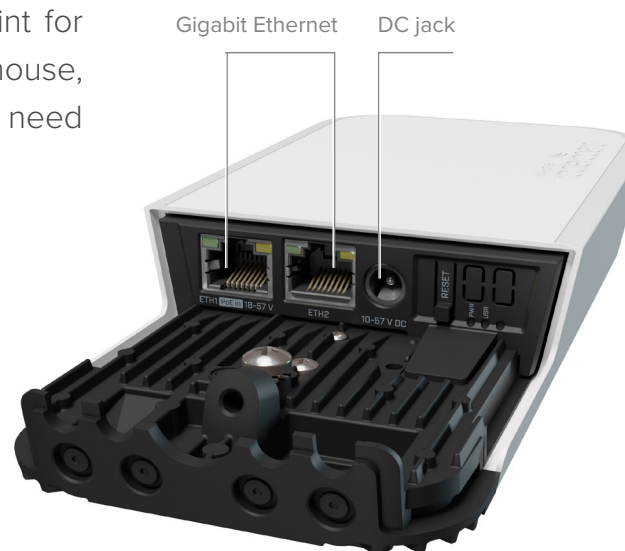
QUAD-CORE CPU, 128 MB RAM



POE-IN

The wAP ac is a small weatherproof wireless access point for your mobile devices, perfect for installation outside your house, in the garden, on your porch, or anywhere else where you need a capable wireless connection.

The new revision features 2x Gigabit Ethernet ports, enhanced wireless antenna performance, more RAM, and a powerful quad-core CPU.



Reliable connection for all your devices

Strong dual-chain dual-band 2.4/5 GHz wireless for concurrent coverage will solve most interference issues in a crowded environment. This is a must-have these days! You can use the 2.4 GHz channel for older devices and the 5 GHz channel for everything else since this frequency is less cluttered.

Improved enclosure - looks good, works even better

The wAP ac 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 ac attracts less attention and blends into any environment. It looks unobtrusive and sleek, available in two colours - black (RBwAPG-5HacD2HnD-BE) and white (RBwAPG-5HacD2HnD).

Available in two colors



With the new revision, we have significantly improved the thermal properties of the enclosure – you don't have to worry about any overheating!

LtAP LR8 LTE kit

\$ 269



ALL-IN-ONE: HIGH-SPEED LTE, GPS, INTERNET-OF-THINGS



GIGABIT ETHERNET WITH POE-IN



MANY POWERING OPTIONS, INCLUDING AUTOMOTIVE



EXTREME VERSATILITY WITH THE POWERFUL ROUTEROS



READY FOR "THE THINGS NETWORK" INTEGRATION



3 MINISIM SLOTS – PERFECT FOR ROAMING

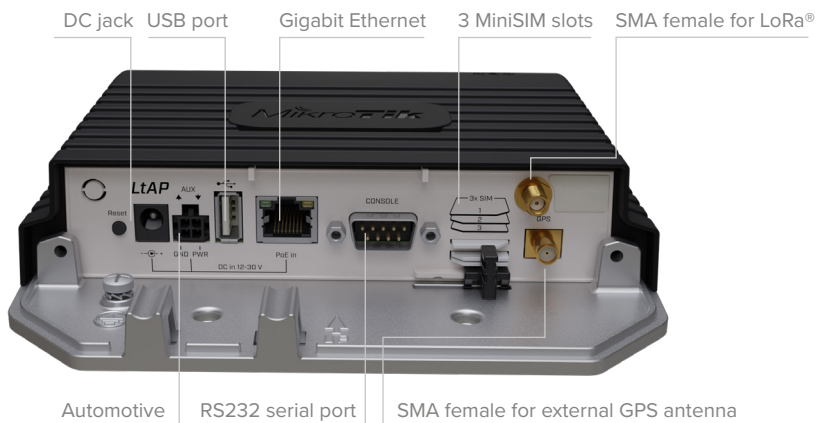


2.4 GHz AP IN A RUGGED HEAVY-DUTY CASE

Inside the heavy-duty case, there is a powerful 2.4 GHz wireless access point with a Gigabit Ethernet port, built-in GPS and two internal LTE antennas. There are two miniPCIe slots – one is used for the LTE modem, the other one is populated with the concentrator gateway card for LoRa® technology.



There are three powering options: DC jack, PoE-in and automotive. We have even seen users powering the LtAP with a 20 000 mAh power bank throughout the day!



Internet-of-things has never been so affordable

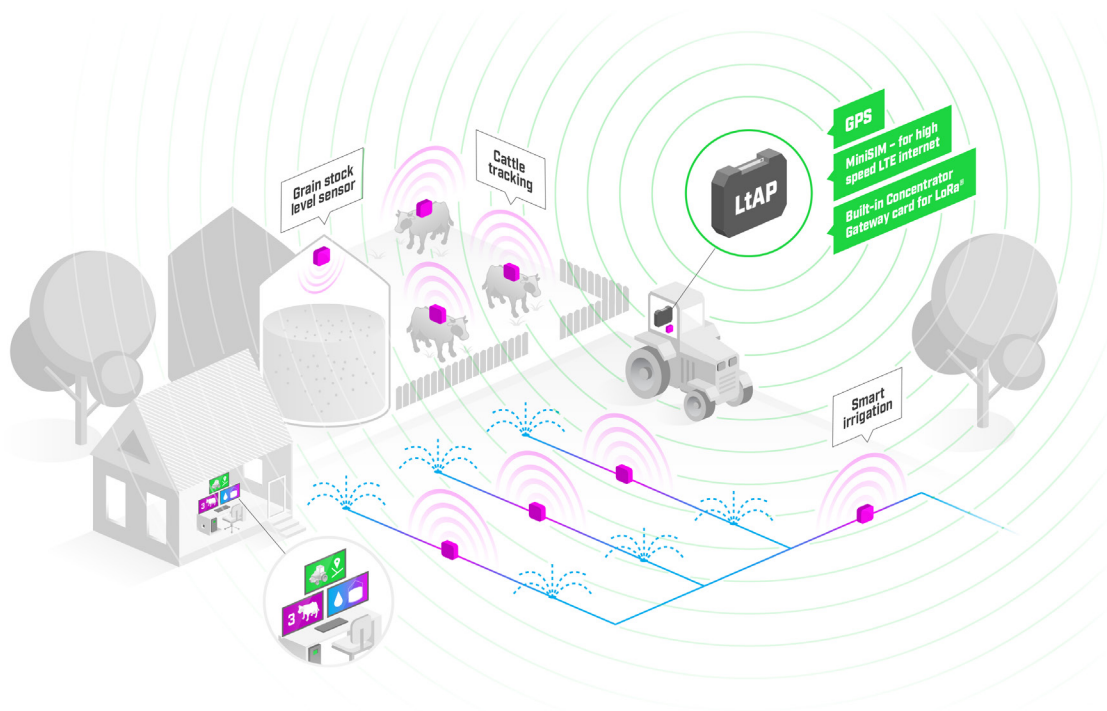
To fully understand what this device can do, we need to talk about Internet-of-things. Let's start with an example. Imagine a farmer who has cattle, an irrigation system for the crops, and storage for the goods. On a day-to-day basis he needs to:

- track the animals;
- monitor the grain stock level;
- control the irrigation system.

For all these tasks the farmer can use low-cost wireless sensors. By connecting them to the LtAP - he can gather the real-time data, combine it with the location information of the vehicle, and send it to the cloud via high-speed LTE. Now all the information he needs to monitor and plan the growth of his farms is in one place. So simple and so handy.

The wireless technology behind this is called LoRa®, which stands for Long Range. It requires very low power. That's why LoRa® is the best way to build your Internet-of-things solutions. LoRa® can be used for anything from smart homes to agriculture, supply chains, logistics and even smart cities. Monitor parking spaces, track utility services, measure environmental data and so on - the possibilities are endless.

There is even a free server infrastructure that you can use - The Things Network, fully supported by the LtAP LR8 LTE kit. With a large community of enthusiasts and developers around the world, you will never be alone with your questions regarding the LoRa® network.



Perfect for logistics and tracking

There are 3 MiniSIM slots you can use to set up automatic switching between mobile operators. Very convenient if you have to cross the border regularly.

The device features two internal LTE antennas, but you can use the U.FL connectors to add external antennas of your choice for even better coverage. The same goes for the GPS – you can attach an external antenna as well.

By the way, we have provided a [simple application example](#) on the RouterOS documentation website, so you can start real-time location tracking right away!

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!

New direct attach cables – same price, more options!

We are releasing new direct attach cables that support not only SFP 1G and SFP+ 10G, but also the 25G SFP28 standard!

With the new direct attach cables you get more features for the same price!

Product codes:

[XS+DA0001 \(1m\)](#) [XS+DA0003 \(3m\)](#)



U-NII-2 support for more products in United States and Canada

We have FCC certified and added support in RouterOS for U-NII-2 wireless frequency band for more products:

- NetMetal 5 (RB922UAGS-5HPacD-NM-US)
- NetMetal 5SHP (RB921UAGS-5SHPacD-NM-US)
- NetMetal 5 triple (RB922UAGS-5HPacT-NM-US)
- NetMetal 5SHP triple (RB921UAGS-5SHPacT-NM-US)
- RB922UAGS-5HPacD-US

This update gives a wider range of 5 GHz channels to choose from: not only U-NII-1 (5.170-5.250 GHz) and U-NII-3 (5.725-5.835 GHz), but also U-NII-2 (5.250-5.350 GHz and 5.470-5.725 GHz).

To use U-NII-2, you need to update your product to the latest version (at least stable 6.47.5). We are working to enable U-NII-2 support for more -US products. More information to follow.

Join us at the 5G TECHRITORY forum for free!

The 5G Techritory Forum 2020 will be the third annual event bringing together the leading minds in 5G deployment. The 2020 Forum is projected to assemble 800+ of the leading decision-makers in policy, business, and infrastructure to increase collaboration and reinforce commitment to joint development.

During this virtual forum, you will be able to follow discussions and presentations of many 5G insiders, such as our very own John Tully, the CEO of MikroTik. He will participate in a debate on the importance of digital environment and governmental response to the COVID-19 pandemic when considering business location decisions. Our partners from LMT will give their view on the first year of 5G deployment and the added value 5G technology can bring to society.

There will also be a virtual exhibit booth where you can join us to learn more about the MikroTik 5G product line, ask questions, and hang out with other RouterOS enthusiasts.

Don't forget to reserve your spot as soon as possible – registrations may take some time to get verified!



5G TECHRITORY

**3rd-annual Baltic Sea Region 5G
ecosystem forum**

Virtual event | November 11-12, 2020

Bringing together the world's leading minds
to set up the 5G agenda in the Baltic Sea Region and beyond!