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NetBox 5 ax

\$ 109



A Wi-Fi 6 upgrade of the popular NetBox 5. AP/CPE/Point-to-point – it can do it all!

SMA connectors allow creating versatile omnidirectional access points and powerful point-to-point links.



MODERN
DUAL-CORE ARM CPU



5 GHz
WIRELESS



POE-IN



DURABLE OUTDOOR
ENCLOSURE



GIGABIT
ETHERNET



USB PORT

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 **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!



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.



mANTBox ax 15s

\$ 179



A drop-in Wi-Fi 6 upgrade for the popular mANTBox dual-band sector antenna base stations. One powerful package for all your outdoor network needs, perfect for camps, stadiums and parks!

STRONG DUAL-CHAIN DUAL-BAND	IPSEC HARDWARE OFFLOADING	GIGABIT ETHERNET	SFP WITH 2.5G SUPPORT	2.4/5 GHz WI-FI 6
WEATHERPROOF ENCLOSURE	POE-IN (INJECTOR INCLUDED!), DC JACK	MODERN DUAL-CORE ARM CPU	DISTANCE UP TO 20 KM	USB PORT

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.

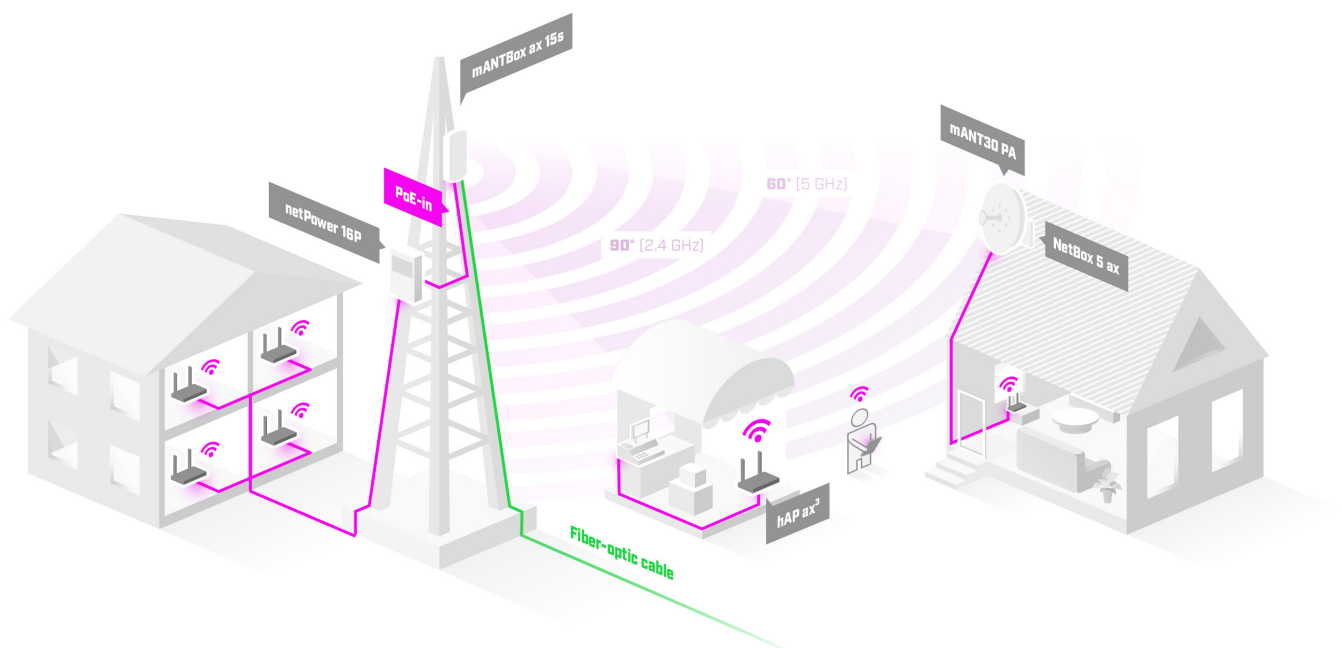
Security: WPA3 encryption and management frame protection prevent all sorts of attacks, like bruteforcing and WPA2 handshake-capture deauthentication attacks.

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.



L11UG-5HaxD

\$ 79



Build your own custom 5 GHz CPE!

MMCX connectors allow creating versatile omnidirectional access points and powerful point-to-point links.



MODERN DUAL-CORE
ARM CPU



POE-IN, DC JACK



GIGABIT ETHERNET

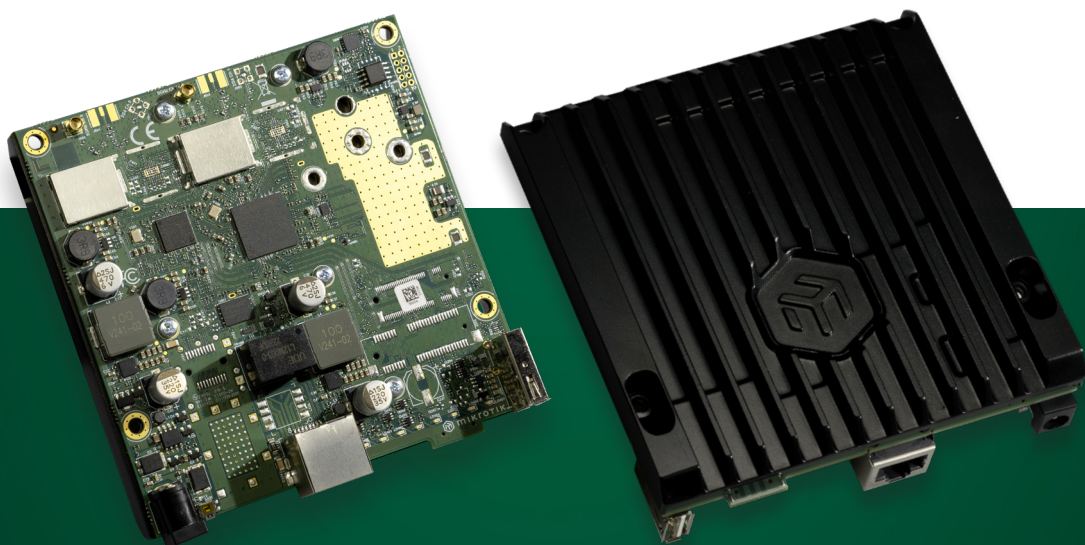


5 GHz WIRELESS



USB PORT

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 indoor/outdoor CPE's! 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 indoor 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.

Chateau 5G R16

\$ 485



...where great networking meets simplicity.

Ultra-fast mobile internet for every home or office – speeds go up, price goes down!



5X GIGABIT ETHERNET



SIMPLIFIED BUILT-IN ANTENNA DESIGN:
EXTRA DURABILITY, STRONGER SIGNAL



USB PORT



QUAD-CORE ARM CPU



STRONG DUAL-CHAIN, DUAL-BAND WIRELESS



LINUX CONTAINER APP SUPPORT

Do you dream of escaping the hustle and bustle of the busy city life and moving to the suburbs? 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. Going back to the city to finish some business? Once again – Chateau is the perfect companion for ultra-fast premium connectivity.



Chateau 5G R16 is the 2023 upgrade of our bestselling 5G Chateau home and office router – designed to make 5G more affordable than ever. The new modem brings the price down while adding features like NR CA and 3GPP Release standard with extra ENDC combination support. In other words, much **better connectivity across a wide range of different mobile operator towers!** It can even simultaneously use the 5G and 4G bands to maximize the throughput! It also supports **4x4 MIMO** for the lower frequency range, including band 8, 20, and 28 – for even **better signal in the countryside.** Wherever life takes you – Chateau can make it better.

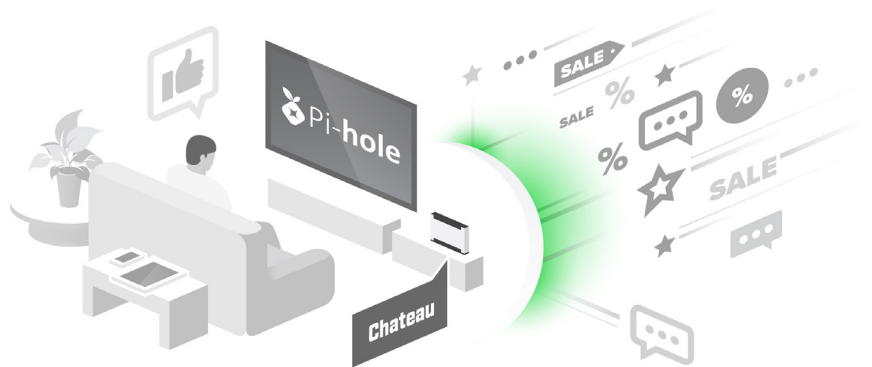


There are 5x Gigabit Ethernet ports – enough to connect most household devices: PCs, TVs, game consoles, and so on.

More than just a router: try containers for home automation, ad blocking, simple web hosting, private DNS, network storage, IoT, and so much more!

Latest version of our versatile RouterOS, a **powerful quad-core ARM CPU** and a **USB port for extra storage** – that's all you need to step inside the exciting world of Linux container apps! Here are some neat container use-cases to explore with your brand new Chateau:

Block all unwanted ads
with PiHole hosted on
your Chateau 5G R16!



Host your web blog or a
simple website on your router
– without any additional
hardware!



The most advanced software on the market - RouterOS

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, complex firewall rules, IPsec hardware acceleration, VLAN, e-mail or SMS notifications – the possibilities are endless. And here's the best part: **there are no paywalls and no confusing subscriptions.**

Jack of all trades... master of many!

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.

APA-1

\$ 29



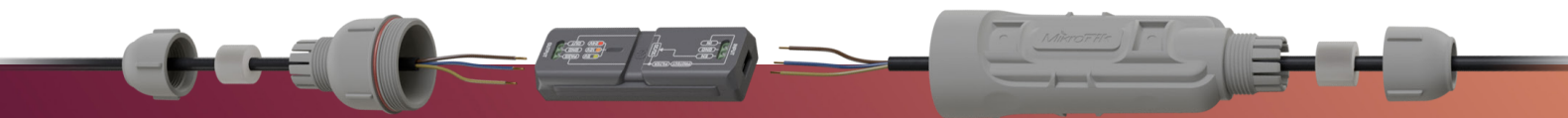
APA-1 is an Automotive Power Adapter with overvoltage protection and other safety features to protect your LtAP and other devices from aggressive vehicle environments.

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 combination of layers protect your devices from extreme voltage spikes. We've also added active polarity protection, so that your devices stay safe even if you apply the power 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 if you don't need input voltage regulation. Remember: preventing a crisis is always cheaper than fixing it!



CAN BE USED WITH THE GPER IP67 CASE!

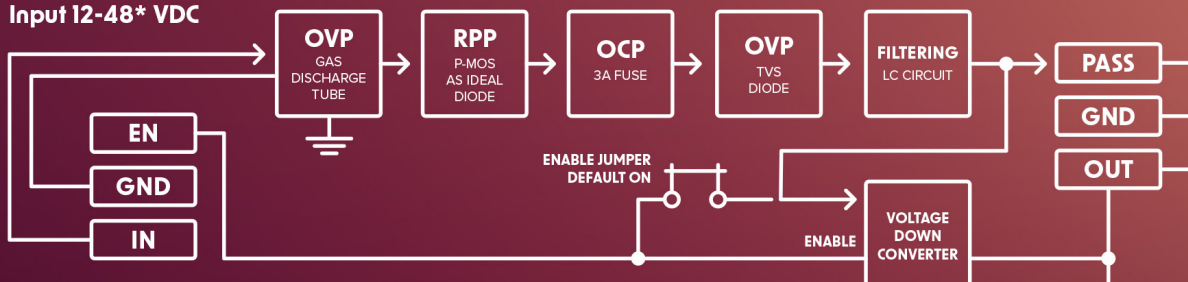
EN - Enable
GND - DC- (negative) terminal
IN - DC+ (positive) terminal

OVP - Over Voltage Protection
RPP - Reverse Polarity Protection

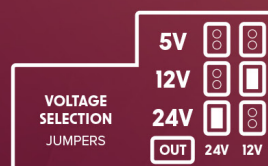
OCP - Over Current Protection
OVP - Over Voltage Protection

PASS - Pass-through mode "+" (positive) terminal
GND - DC- (negative) terminal
OUT - Voltage converter output "+" (positive) terminal

Input 12-48* VDC



EN – enable voltage down converter, High(9-60VDC) = on, Low(0-1.2VDC) = off EN can be used with car accessories or the vehicle ignition power switched on to enable a voltage converter; by default - a jumper enables a voltage-down converter.



Current limits shown on the case are for single output pass-through mode or regulated 5/12/24V mode, but not for both outputs simultaneously.

5V	12V	24V	PASS
3A	2A	1A	2A
OUTPUT			

PASS - pass-through mode – input voltage after protection circuit, EN input does not affect PASS output. OUT and PASS outputs can be used simultaneously, but the 3A input fuse limits the current, so the output power budget depends on the input voltage level.

*to be used in 12, 24 and 48 VDC automotive/vehicle electric systems, absolute maximum voltage input +60VDC, min input 9VDC

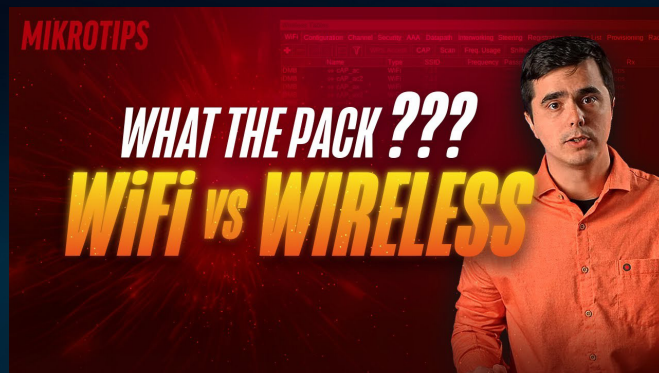
We're happy, honored, and excited to announce that **MikroTik has won** the Export and Innovation Award 2023 “**Leader in Export Growth**” in the “Information and Communication Technologies” sector. And once again, it's a double win, as our friends from the leading mobile operator in Latvia – LMT – received the “Innovation Champion” award for their work in the 5G field!



Minister of Economics Viktors Valainis stressed the perseverance of Latvian companies in facing global challenges and seeking new opportunities. “Today, we are witnessing a paradigm shift in economic development - a shift towards a sustainable development model, driven by modern technologies, innovation, exports and a growing capacity to compete in domestic and foreign product markets. Latvian entrepreneurs have shown that they can adapt to complex geopolitical situations and are not afraid to take risks to explore new markets and opportunities. It's important to express appreciation for our best exporters and innovation champions as they are the driving force behind our economic growth. Export performance and innovation remain the key drivers of economic development,” said Viktors Valainis.

Here at MikroTik, we want to express our sincere thanks to our community, the force that keeps us innovating. Cooperation is crucial for a brighter future, and events like these serve as powerful reminders of our journey's beginning and the vast possibilities ahead through working together. We deeply appreciate your unwavering support and collaboration!

New #MikroTips and tricks!



Videos from our distributors!

VENDO Wi-Fi 6 vending machines -
Philippines Case study, ITWarehouse



CCR2216, DynaDish 6 and more: a
West African factory success story



Here you can download all the visuals used in this newsletter

