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Why MikroTik?

MikroTik provides routing, switching and wireless equipment for all possible uses - from the customer location, up to high end data centres.

We have an extensive network of trained consultants, training centres and distributors in almost every country of the world.

Established in Europe in 1996, we have 23 years of experience in networking and wireless installations.

Our in-house developed RouterOS software supports most common and many special features and we are constantly adding new customer requested features.

Whether you are building wireless links across the seas, internet exchanges between countries, and secure tunnels between banks. MikroTik can do it all.

- Best price/performance
- Millions of RouterOS powered devices are currently routing the world
- 23 years of developing networking software and hardware
- Over 130’000 RouterOS trained and certified network engineers
- More than 6’000 training classes in the last year
- World wide network of certified consultants
- Offering products that support simple CPEs to complex enterprise networks
- Thousands of pages of documentation, examples, application notes, and guides
MikroTik is a router software and hardware manufacturer, that offers the most user friendly, up to carrier-class routing and network management solutions. Our products are used by ISPs, individual users and companies for building data network infrastructures all across the world.

There are millions of installations worldwide going back as far as 1996!

Our mission is to make existing Internet technologies faster, more powerful, and affordable to wider range of users.

- Based in Europe
- Established in 1996
- 23rd anniversary this year
- RouterOS in 1997
- RouterBOARD in 2002
- First MUM: Prague, Czech Republic in 2006

Reseller, trainer and consultant map
RouterOS

MikroTik RouterOS is the operating system of MikroTik RouterBOARD hardware.

It has all the necessary features for an ISP - routing, firewall, bandwidth management, wireless access point, backhaul link, hotspot gateway, VPN server and more.

RouterOS is a stand-alone operating system based on the Linux kernel, and our goal here at MikroTik is to provide all these features with a quick and simple installation and an easy to use interface.

- Powerful QoS control
- RIP, OSPF, BGP, MPLS routing
- Bonding of interfaces
- Stateful firewall, tunnels
- (R)STP bridging with filtering
- High speed 802.11a/b/g/n/ac
- 60 GHz wireless
- Wireless TDMA (Nv2)
- WDS and Virtual AP
- HotSpot Plug-and-Play access
- WinBox GUI and Web admin
- Telnet/MAC-Telnet/SSH/Console
- Real-time configuration and monitoring
- IPsec hardware acceleration
- 2G, 3G and 4G (LTE) support
MUM

MikroTik User Meeting (MUM) is a conference on MikroTik RouterOS software and RouterBOARD hardware. Ask questions, attend workshops, listen to presentations, talk with specialists and see interesting technology demos by MikroTik and the users themselves - all here, at the MUM!

The MikroTik User Meeting brings many MikroTik users together at once, so you can get the maximum information in the shortest time.

The MUM has taken place already 2000 times, in 88 countries in all continents. Every year, more people attend these great events - every next event breaking the previous attendance record. More than 3700 people attended the conference in Indonesia in 2018! You should come too!
Academy

Colleges, universities, and schools around the world are starting MikroTik Academy programs to offer students Internet networking courses using MikroTik RouterOS as a learning tool. We are actively enrolling new locations weekly and looking for new applicants.

There are no charges from MikroTik for material, online testing, and online certificates associated with this program. MikroTik Academy program offers schools an excellent networking education program and program materials for little or no cost.

The program courses offer:

- a proven network education program
- official MikroTik RouterOS certification exams
- discounted (and free) hardware and free RouterOS licenses for training classes

If there is an educational institution near you that could be interested in the MikroTik Academy program, please contact us or forward this information to them.

Please contact us at training@mikrotik.com.

Official MikroTik Academy Web Page:
mikrotikacademy.com
Wireless Wire Dish
Fiber speed and quality over 1500m+ without cables

LtAP mini
4G Internet hotspot with integrated GPS for vehicle tracking applications
hEX series

The hEX series of devices are small form factor Ethernet routers with neat plastic design enclosures. They have a total of five ports.

hEX lite

A small, but powerful five port Ethernet router in a nice plastic case.

- 850 MHz CPU, 64 MB RAM
- Compact size

hEX PoE lite

This model supports PoE output on it’s Ethernet ports, so you can power other devices.

- 5x 10/100 Mbps Ethernet ports
- 650 MHz CPU, 64 MB RAM
- Ethernet ports 2-5 can power other PoE capable devices

hEX

The hEX is a small and powerful router with Gigabit Ethernet, IPsec acceleration and more.

- 5 Gigabit Ethernet ports
- Dual core 880 MHz CPU, 256 MB RAM
- IPsec hardware encryption (~470 Mbps) support
- Support for The Dude server package
- microSD slot and USB

hEX PoE

This model also has PoE output capability, but includes Gigabit Ethernet ports and an SFP cage.

- 5 Gigabit Ethernet ports
- SFP port for 1.25 Gigabit connectivity
- Ethernet ports 2-5 can power other PoE capable devices
- 800 MHz CPU, 128 MB RAM

hEX S

hEX S is a six port wired Gigabit 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.

- Dual Core 880 MHz CPU
- 256 MB RAM
- 1.25Gbit/s SFP cage
- USB 2.0 and microSD slot
- 12 V-57 V input support by PoE or power jack
- 802.3at/af support
- IPsec hardware encryption (~470 Mbps)
- Dude Server package support

PowerBox series

The PowerBox series of devices are Ethernet routers in outdoor enclosures, ready to be mounted in any weather conditions. They are capable to power MikroTik routers and other supported devices through PoE (Power over Ethernet).

PowerBox

The basic model is good for 10/100 Mbit devices and lower bandwidth requirements.

- 5x 10/100 Mbps Ethernet ports
- 650 MHz CPU, 64 MB RAM

PowerBox Pro

The professional model adds Gigabit ports and a more capable CPU.

- 5 Gigabit Ethernet ports
- SFP port for 1.25 Gigabit connectivity
- 800 MHz CPU, 128 MB RAM
**RB2011 series**

**RB2011iL-IN**
The RB2011 lite model comes in a desktop case and features a PoE out port, just like all the other models.
- 600 MHz CPU, 64 MB RAM
- Desktop case

**RB2011iL-RM**
The RM model is similar, but comes in a larger, rackmountable enclosure.
- 600 MHz CPU, 64 MB RAM
- Rackmount case

**RB2011iLS-IN**
This device includes an SFP port for fiber and copper modules. See the Accessories chapter for recommended modules.
- SFP port for 1.25 Gigabit connectivity
- 600 MHz CPU, 64 MB RAM
- Desktop case

**RB2011UiAS-IN**
The U models include more RAM and a USB port.
- SFP port for 1.25 Gigabit connectivity
- 600 MHz CPU, 128 MB RAM
- LCD display and USB
- Desktop case

**RB2011UiAS-RM**
Similar to the above model, but comes in a rackmountable enclosure.
- SFP port for 1.25 Gigabit connectivity
- 600 MHz CPU, 128 MB RAM
- LCD display and USB
- Rackmount case

**RB3011UiAS-RM**
The RB3011 is a multi port device, our first to be running an ARM architecture CPU for higher performance than ever before.
- 10 Gigabit Ethernet ports
- Dual core ARM 1.4 GHz CPU, 1 GB RAM
- SFP port for 1.25 Gigabit connectivity
- LCD display and USB 3.0

**RB4011iGS+RM**
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 1 GB of RAM, can provide PoE output on port #10 and comes with a compact and professional looking solid metal enclosure in matte black.

**RB3011UiAS-RM**
- Quad-core 1.4 GHz CPU
- 1 GB of RAM
- All metal passive cooled enclosure
RB1100AHx4 Dude Edition

The RB1100AHx4 Dude Edition has an Annapurna Alpine AL21400 CPU with four Cortex A15 cores clocked at 1.4 GHz each, for a maximum throughput of up to 7.5 Gbps. The device supports IPsec hardware acceleration and is faster at it than any previous RouterBOARD device (up to 2.2 Gbps with AES128).

The unit comes in a 1U rackmount case, 13 Gigabit Ethernet ports, RS232 serial port and dual redundant power supplies (with -48 V 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 storing The Dude database, proxy cache or for any other storage intensive task. A 60 GB M.2 drive is already included.

Cloud Core Router series

The Cloud Core Router series of devices are powered by our fastest networking processors, based on the Tilera architecture. The CCR series is the top of the line Ethernet routers for your most demanding needs.

The CCR series devices use Tilera multicore CPUs, which are so powerful, that the devices can easily handle all port routing without a switch chip. All of the CCR series devices support hardware IPsec acceleration.

CCR1009-7G-1C-PC

Tilera 9-core CPU, Gigabit Ethernet, IPsec acceleration and combo port. The combo port allows you to select which of the two options you wish to use, an SFP port or another Gigabit copper port. The passively cooled device makes this device absolutely quiet.

- 7 Gigabit Ethernet ports
- Combo (Gigabit Ethernet or SFP) port
- 1 GB RAM
- Silent passive cooling enclosure

CCR1009-7G-1C-1S+PC

Tilera 9-core CPU, Gigabit Ethernet, IPsec acceleration, combo port, and additional SFP+ port for 10G connectivity.

- Eight Gigabit Ethernet ports
- Combo (Gigabit Ethernet or SFP) port
- SFP+ port for 10 Gbps connectivity
- 2 GB RAM
- LCD touch screen, smart card slot, microSD slot
- Silent passive cooling enclosure

RB1100AHx4

Powerful 13 Gigabit Ethernet port router in a rackmount case with dual redundant power supplies.

- 13 Gigabit Ethernet ports
- Four core Annapurna Alpine 1.4 GHz CPU, 1 GB RAM
- Maximum throughput of up to 7.5 Gbps
- IPsec hardware acceleration (up to 2.2 Gbps with AES128)
- Dual redundant power supplies (with -48 V DC telecom power and 802.3at/af support)

CCR1009-7G-1C-1S+

The same Tilera 9-core CPU, Gigabit Ethernet, IPsec acceleration, combo port, but in a rackmount case with built in dual PSU.

- Eight Gigabit Ethernet ports
- Combo (Gigabit Ethernet or SFP) port
- SFP+ port for 10 Gbps connectivity
- 2 GB RAM
- LCD touch screen, smart card slot, microSD slot
- Dual power supplies built-in for redundancy
- 1U rackmount enclosure
Ethernet routers

The CCR1036-8G-2S+ is a high performance networking router with eight Gigabit ports, two SFP+ ports for 10G connectivity and dual power supplies for redundancy. Powered by a 36 core CPU, this router is able to perform the most complicated routing and management tasks, for managing large networks with high bandwidth requirements.

Each of it’s ports is directly connected to the Tilera networking CPU, with no ports sharing any bandwidth, guaranteeing the best performance and highest reliability. The CPU supports IPsec hardware accelerated encryption, so you can use it also as a high performance VPN gateway to ensure the best encryption between important locations, without sacrificing connection speed.

The M.2 slot allows to install a high speed SSD disk, for using a local user database, proxy storage or for other features.

CCR1016-12G

Powerful 16 core rackmount router with 12 Gigabit Ethernet ports.

- 12 Gigabit Ethernet ports
- Tilera 16-core CPU, 1.2 GHz per core, 2 GB RAM
- Up to 17.8 Million pps throughput in Fast Path mode (wire speed)
- Up to 12 Gbps throughput with RouterOS queue/firewall configuration
- LCD touch screen
- 1U rackmount enclosure

CCR1016-12S-1S+

Powerful 16 core rackmount router with 12 SFP ports and one SFP+ for 10 Gigabit connectivity.

- 12 SFP ports for 1.25 Gigabit connectivity
- 1 SFP+ port for 10 Gigabit connectivity
- Tilera 16-core CPU, 1.2 GHz per core, 2 GB RAM
- Dual power supplies built-in for redundancy
- LCD touch screen
- 1U rackmount enclosure

CCR1036-12G-4S

Carrier grade 36 core rackmount router with 12 Gigabit Ethernet ports and four SFP ports for optical fiber connectivity.

- 12 Gigabit Ethernet ports
- 4 SFP ports for 1.25 Gigabit connectivity
- Tilera 36-core CPU, 1.2 GHz per core, 4 GB RAM
- Up to 24 Mpps throughput in Fast Path mode (wire speed)
- Up to 16 Gbps throughput with RouterOS queue/firewall configuration
- LCD touch screen
- 1U rackmount enclosure

CCR1036-12G-4S-EM

The same carrier grade 36 core rackmount router with 12 Gigabit Ethernet ports and four SFP ports for optical fiber connectivity, but with more RAM for high intensity tasks.

- 16 GB of RAM

CCR1036-8G-2S+

The CCR1036-8G-2S+ is a high performance networking router with eight Gigabit ports, two SFP+ ports for 10G connectivity and dual power supplies for redundancy. Powered by a 36 core CPU, this router is able to perform the most complicated routing and management tasks, for managing large networks with high bandwidth requirements.

Each of it’s ports is directly connected to the Tilera networking CPU, with no ports sharing any bandwidth, guaranteeing the best performance and highest reliability. The CPU supports IPsec hardware accelerated encryption, so you can use it also as a high performance VPN gateway to ensure the best encryption between important locations, without sacrificing connection speed.

The M.2 slot allows to install a high speed SSD disk, for using a local user database, proxy storage or for other features.

CCR1036-8G-2S+EM

The same carrier grade 36 core rackmount router with 8 Gigabit Ethernet ports and two SFP+ 10G ports for optical fiber connectivity, but with more RAM for high intensity tasks.

- 8 GB of onboard RAM
SOHO switches

Our smaller SOHO switches have five Gigabit Ethernet ports and an SFP port for optical fiber connectivity. The devices are powered by RouterOS or SwOS, our switch operating system that gives you all the most important switch configuration options.

RB260GS
The tiny desktop case is compact enough to mount in narrow places, mounting hooks provide possibility to wall mount it in any direction.
- Five Gigabit Ethernet ports
- SFP port for 1.25 Gigabit connectivity
- Powered by SwOS
- All the basic functionality for a managed switch, plus more

RB260GSP
The P model also includes capability to power other devices.
- Ethernet ports 2-5 can power other PoE capable devices
- Powered by SwOS

CRS106-1C-5S
A desktop size smart switch with a Gigabit Ethernet / SFP combo port and five SFP ports for optical fiber connectivity.
- Combo (Gigabit Ethernet or SFP) port
- 400 MHz CPU, 128 MB RAM
- A market leading solution for connecting up to six SFP devices
- Powered by RouterOS

FiberBox
An outdoor switch with five SFP ports, ideal for locations where distance is restricting the use of regular Ethernet cables.
- 400 MHz CPU, 128 MB RAM
- Weatherproof outdoor case
- RJ45 SFP (S-RJ01) copper module already pre-installed in the first port
- Powered by RouterOS
### Medium business switches

#### CRS109-8G-1S-2HnD-IN
A desktop size smart switch with 8 Gigabit Ethernet ports, SFP port for optical fiber connectivity and high power 2.4 GHz wireless.
- 8 Gigabit Ethernet ports
- SFP port for 1.25 Gigabit connectivity
- High power 2.4 GHz dual chain wireless
- 600 MHz CPU, 128 MB RAM
- LCD touch screen, microUSB port

#### CRS112-8G-4S-IN
A desktop size smart switch with 8 Gigabit Ethernet ports and 4 SFP ports for optical fiber connectivity.
- 8 Gigabit Ethernet ports
- 4 SFP ports for 1.25 Gigabit connectivity
- 400 MHz CPU, 128 MB RAM

#### CRS112-8P-4S-IN
A desktop size smart PoE switch with 8 Gigabit Ethernet ports, 4 SFP ports for optical fiber connectivity and PoE output.
- 8 Gigabit Ethernet ports with PoE output
- 4 SFP ports for 1.25 Gigabit connectivity
- 400 MHz CPU, 128 MB RAM
- 28 V 3.4 A power supply included
- Secondary DC jack on the back of the enclosure that supports 48-57 V power supply (optional)

#### CRS212-1G-10S-1S+IN
A desktop size smart switch with a Gigabit Ethernet port, 10 SFP ports and an SFP+ port for 10 Gigabit connectivity.
- Gigabit Ethernet port
- 10 SFP ports for 1.25 Gigabit connectivity
- SFP+ port for 10 Gigabit connectivity
- 400 MHz CPU, 64 MB RAM
- LCD touch screen

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**CRS305-1G-4S+IN**

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 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.

- 4 SFP+ ports
- 1 Gigabit Ethernet ports
- Non-Blocking throughput: 41 Gbps
- Switching capacity: 82 Gbps
- Forwarding rate: 61 Mpps
- 2 DC jack for redundancy
- Maximum power consumption: 12 W (with attachments 18 W)
- Supports PoE+ IEEE 802.3at/af and passive PoE 12-57 V
- Metal enclosure
- Fanless

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mt.lv/p/239

mt.lv/p/258

mt.lv/p/349

mt.lv/p/429
The CRS309-1G-8S+IN 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 compact and sleek metallic enclosure also acts as a heatsink, making this device passively cooled - no fan noise and no dust accumulation inside. Special rackmount ears for installing unit into the standard rack are provided.

Enterprise switches

CRS125-24G-1S-IN
A 24 port Gigabit Ethernet switch in a 1U rack case with an SFP port for optical fiber connectivity.
- 24 Gigabit Ethernet ports
- SFP port for 1.25 Gigabit connectivity
- 600 MHz CPU, 128 MB RAM
- microUSB port
- 1U rackmount case

CRS125-24G-1S-2HnD-IN
A desktop size smart switch with 24 Gigabit Ethernet ports, an SFP port for optical fiber connectivity and high power 2.4 GHz wireless.
- 24 Gigabit Ethernet ports
- SFP port for 1.25 Gigabit connectivity
- High power 2.4 GHz dual chain wireless
- 600 MHz CPU, 128 MB RAM
- LCD touch screen, microUSB port

CSS326-24G-2S+RM
A 24 port Gigabit Ethernet router/switch with two SFP+ ports in 1U rackmount case, dual boot.
- 24 Gigabit Ethernet ports
- Two SFP+ ports for 10 Gigabit connectivity
- Powered by SwOS
- 1U rackmount case

CRS326-24G-2S+RM
A 24 port Gigabit Ethernet router/switch with two SFP+ ports in 1U rackmount case, dual boot.
- 24 Gigabit Ethernet ports
- Two SFP+ ports for 10 Gigabit connectivity
- 800 MHz CPU, 512 MB RAM
- Dual boot feature that allows to choose RouterOS or SwOS
- 1U rackmount case
**CRS328-24P-4S+RM**

The CRS328-24P-4S+RM is a 28 independent port PoE switch with multiple power options: Passive PoE, low voltage PoE, 802.3at/af (Type 1 “PoE” / Type 2 “PoE+”) with per port auto-sensing. The 4 SFP+ ports provide up to 10 Gigabit 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.

- 24 Gigabit Ethernet ports with PoE output
- 4 SFP+ ports for 10 Gigabit connectivity
- 800 MHz CPU, 512 MB RAM
- Power output options: Passive PoE, low voltage PoE, 802.3at/af (Type 1 “PoE” / Type 2 “PoE+”) with auto-sensing
- 100-240 V AC 500 W power supply built-in
- Non-Blocking throughput: 64 Gbps
- Switching capacity: 128 Gbps
- Dual boot feature that allows to choose RouterOS or SwOS

**CRS328-4C-20S-4S+RM**

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 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 our disruptive price, providing best price/performance on the market.

**Switching features**

- Non-blocking Layer 2 switching capacity
- 16K host table
- IEEE 802.1Q VLAN
- Supports up to 4K simultaneous VLANs
- Port isolation
- Port security
- Broadcast storm control
- Port mirroring of ingress/egress traffic
- STP / RSTP / MSTP
- Access Control List
- MikroTik neighbor discovery
- SNMP
- 10218-byte jumbo frames support
- IGMP snooping
- IEEE 802.3ad and static link aggregation

**Quick specifications**

- 20 SFP ports
- 4 ETH/SFP combo ports
- 4 SFP+ ports
- Non-Blocking throughput: 64 Gbps
- Switching capacity: 128 Gbps
- Forwarding rate: 95.2 Mpps
- RI4S serial console port
- Dual PSU
- Maximum power consumption: 43 W
- Temperature based fan control
- 1U rackmount
2.4 GHz integrated directionals

SXTsq Lite2
A compact, low-cost and lightweight outdoor 2.4 GHz 802.11b/g/n wireless device with an 10 dBi integrated antenna.
- 2.4 GHz 10 dBi antenna
- 802.11b/g/n dual chain wireless
- 10/100 Mbps Ethernet
- 650 MHz CPU, 64 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)

LHG 2
An outdoor 2.4 GHz 802.11b/g/n wireless device with an 18 dBi integrated antenna for longer distances.
- 2.4 GHz 18 dBi antenna
- 802.11b/g/n dual chain wireless
- 10/100 Mbps Ethernet
- 650 MHz CPU, 64 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)

LHG XL 2
An outdoor 2.4 GHz 802.11b/g/n wireless device with an extra large 21 dBi integrated antenna for even longer distances.
- 2.4 GHz 21 dBi antenna
- 802.11b/g/n dual chain wireless
- 10/100 Mbps Ethernet
- 650 MHz CPU, 64 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)

QRT 2
An outdoor 2.4 GHz 802.11b/g/n super high power wireless device with an 17 dBi integrated antenna and Gigabit Ethernet for high speed on long distances. This model includes a sturdy precision alignment mounting kit.
- 2.4 GHz 17 dBi antenna
- 802.11b/g/n super high power dual chain wireless
- Gigabit Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS level 4 license (AP, CPE or Point-to-Point)

LDF 2
A tiny 2.4 GHz system for super long distance links with satellite offset dish antennas.
- 40 mm diameter to fit any available satellite TV dish with an offset mount
- integrated 2.4 GHz 10 dBi antenna
- 802.11b/g/n dual chain wireless
- 10/100 Mbps Ethernet
- 650 MHz CPU, 64 MB RAM
- RouterOS level 3 (CPE or Point-to-Point)

2.4 GHz integrated base stations

SXT 2
An outdoor 2.4 GHz 802.11b/g/n base station with a 10 dBi, 60 degree integrated sector antenna and Gigabit Ethernet.
- 2.4 GHz 10 dBi 60° sector antenna
- 802.11b/g/n high power dual chain wireless
- Gigabit Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS level 4 license (AP, CPE or Point-to-Point)

mANTBox 2 12s
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.
- 2.4 GHz 12 dBi 120° sector antenna
- 802.11b/g/n, dual-chain
- Gigabit Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS level 4 license (AP, CPE or Point-to-Point)
5 GHz integrated directionals
Up to 10 km distance

**SXTsq Lite5**
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.
- 5 GHz 16 dBi antenna
- 802.11a/n dual chain wireless
- 10/100 Mbps Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS L3 (CPE or Point-to-Point)

**SXTsq 5 High Power**
A compact, low-cost and lightweight outdoor 5 GHz 802.11a/n high power wireless device with a 16 dBi integrated antenna.
- 802.11a/n increased output power, dual chain wireless
- 10/100 Mbps Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)

**SXTsq 5 ac**
The SXTsq 5 ac is a compact and lightweight outdoor 5 Ghz 802.11ac wireless device with an integrated antenna, perfect for Point-to-Point links or as a CPE unit.
- 5 GHz 16 dBi antenna
- 802.11a/n/ac dual chain wireless
- Gigabit Ethernet
- 716 MHz CPU, 256 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)

**Disc Lite5**
An outdoor 5 GHz 802.11a/n/ac wireless device with a high gain 21 dBi integrated antenna and Gigabit Ethernet for high speed on long distances.
- 5 GHz 21 dBi antenna
- 802.11a/n/ac high power dual chain wireless
- Gigabit Ethernet
- 716 MHz CPU, 256 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)

More than 10 km range

**LHG 5**
An outdoor 5 GHz 802.11a/n wireless device with a 24.5 dBi integrated antenna for long distances.
- 5 GHz 24.5 dBi antenna
- 802.11a/n dual chain wireless
- 10/100 Mbps Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)

**LHG HP5**
An outdoor 5 GHz 802.11a/n high power wireless device with a 24.5 dBi integrated antenna for long distances.
- 5 GHz 24.5 dBi antenna
- 802.11a/n dual chain high power wireless
- 10/100 Mbps Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)

**LHG XL HP5**
An outdoor 5 GHz 802.11a/n high power wireless device with an extra large 27 dBi integrated antenna for extra large distances.
- 5 GHz 27 dBi antenna
- 802.11a/n dual chain high power wireless
- 10/100 Mbps Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)
**LHG 5 ac**

An outdoor 5 GHz 802.11a/n/ac wireless device with a 24.5 dBi integrated antenna and Gigabit Ethernet.

- 5 GHz 24.5 dBi antenna
- 802.11a/n/ac dual chain wireless
- Gigabit Ethernet
- 716 MHz CPU, 256 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)

**QRT 5 ac**

An outdoor 5 GHz 802.11a/n/ac high power wireless device for long distances with a 24 dBi integrated antenna and Gigabit Ethernet.

- 5 GHz 24 dBi antenna
- 802.11a/n/ac high power dual chain wireless
- Gigabit Ethernet
- 720 MHz CPU, 128 MB RAM
- RouterOS level 4 license (AP, CPE or Point-to-Point)

**LHG XL 5 ac**

An outdoor 5 GHz 802.11a/n/ac wireless device with an extra large 27 dBi integrated antenna for extra long distances and Gigabit Ethernet.

- 5 GHz 27 dBi antenna
- 802.11a/n/ac dual chain wireless
- Gigabit Ethernet
- 716 MHz CPU, 256 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)

**DynaDish 5**

An outdoor 5 GHz 802.11a/n/ac high power wireless device for extra long distances with a 25 dBi integrated antenna and Gigabit Ethernet.

- 5 GHz 25 dBi antenna
- 802.11a/n/ac high power dual chain wireless
- Gigabit Ethernet
- 720 MHz CPU, 128 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)

**SEXTANT G**

An outdoor 5 GHz 802.11a/n high power wireless device with an 18 dBi integrated antenna and Gigabit Ethernet.

- 5 GHz 18 dBi antenna
- 802.11a/n high power dual chain wireless
- Gigabit Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)

**QRT 5**

An outdoor 5 GHz 802.11a/n high power wireless device for long distances with a 24 dBi integrated antenna and Gigabit Ethernet.

- 5 GHz 24 dBi antenna
- 802.11a/n high power dual chain wireless
- Gigabit Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS level 4 license (AP, CPE or Point-to-Point)

**LDF 5**

A tiny 5 GHz system for super long distance links with a satellite offset dish antennas.

- 40 mm diameter to fit any available satellite TV dish with an offset mount
- Integrated 5 GHz 9 dBi antenna
- 802.11a/n dual chain wireless
- 10/100 Mbps Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)

**LDF 5 ac**

A tiny 5 GHz system with Gigabit Ethernet and 802.11a/n/ac support for super long distance links with satellite offset dish antennas

- 40 mm diameter to fit any available satellite TV dish with an offset mount
- Integrated 5 GHz 9 dBi antenna
- 802.11a/n/ac dual chain wireless
- Gigabit Ethernet
- 716 MHz CPU, 256 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)
5 GHz integrated base stations

**SXT SA5**
An outdoor 5 GHz 802.11a/n high power wireless integrated base station with a 14 dBi 90° sector antenna.
- 5 GHz 14 dBi 90° sector antenna
- 802.11a/n dual chain high power wireless
- Gigabit Ethernet
- 600 MHz CPU, 64 MB RAM
- USB
- RouterOS level 4 license (AP, CPE or Point-to-Point)

**SXT SA5 ac**
An outdoor 5 GHz 802.11a/n/ac high power wireless integrated base station with a 14 dBi 90° sector antenna.
- 5 GHz 14 dBi 90° sector antenna
- 802.11a/n/ac dual chain high power wireless
- Gigabit Ethernet
- 720 MHz CPU, 128 MB RAM
- USB
- RouterOS level 4 license (AP, CPE or Point-to-Point)

**mANTBox 15s**
An outdoor 5 GHz 802.11a/n/ac high power wireless integrated base station with a 15 dBi 120° sector antenna and an SFP port.
- 5 GHz 15 dBi 120° sector antenna
- 802.11a/n/ac dual chain high power wireless
- Gigabit Ethernet
- 720 MHz CPU, 128 MB RAM
- SFP port for 1.25 Gigabit connectivity

**mANTBox 19s**
An outdoor 5 GHz 802.11a/n/ac high power wireless integrated base station with a long range 19 dBi 120° sector antenna and an SFP port.
- 5 GHz 19 dBi 120° sector antenna
- 802.11a/n/ac dual chain high power wireless
- Gigabit Ethernet
- 720 MHz CPU, 128 MB RAM
- SFP port for 1.25 Gigabit connectivity

**OmniTik 5**
An outdoor 5 GHz 802.11a/n high power wireless integrated access point with two integrated 7.5 dBi omni antennas and 5 Ethernet ports.
- 2 integrated 5 GHz 7.5 dBi omni antennas
- 802.11a/n dual chain high power wireless
- 5x 10/100 Mbps Ethernet ports
- 600 MHz CPU, 64 MB RAM
- USB

**OmniTik 5 PoE ac**
An outdoor 5 GHz 802.11a/n/ac high power wireless integrated access point with two integrated 7.5 dBi omni antennas and five Ethernet ports.
- 2 integrated 5 GHz 7.5 dBi omni antennas
- 802.11a/n/ac dual chain high power wireless
- 5 Gigabit Ethernet ports
- 720 MHz CPU, 128 MB RAM
- USB
- RouterOS level 4 license (AP, CPE or Point-to-Point)

**OmniTik 5 PoE**
An outdoor 5 GHz 802.11a/n high power wireless integrated access point with two integrated 7.5 dBi omni antennas and 5 Ethernet ports with PoE output.
- 2 integrated 5 GHz 7.5 dBi omni antennas
- 802.11a/n dual chain high power wireless
- 5x 10/100 Mbps Ethernet ports (PoE output on ports 2-5)
- 600 MHz CPU, 64 MB RAM
- USB
- RouterOS level 4 license (AP, CPE or Point-to-Point)
**Connectorized units**

**Groove 52**

Our smallest outdoor integrated wireless device with a selectable wireless band (2.4 GHz or 5 GHz) and N-male connector for an external antenna.
- 5 GHz 802.11a/n or 2.4 GHz 802.11b/g/n single chain wireless (selectable)
- N-male connector for external antenna
- 10/100 Mbps Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS level 3 license (CPE or Point-to-Point)

**GrooveA 52**

Our smallest outdoor integrated wireless AP with a selectable wireless band (2.4 GHz or 5 GHz) and N-male connector for external antenna.
- 5 GHz 802.11a/n or 2.4 GHz 802.11b/g/n single chain wireless (selectable)
- 2.4/5 GHz omni directional antenna (6 dBi 2.4 GHz, 8 dBi 5 GHz) included
- 10/100 Mbps Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS level 4 license (AP, CPE or Point-to-Point)

**GrooveA 52 ac**

Our smallest outdoor integrated wireless AP with a selectable wireless band (2.4 GHz or 5 GHz) and N-male connector for an external antenna.
- 5 GHz 802.11a/n or 2.4 GHz 802.11b/g/n single chain wireless (selectable)
- 2.4/5 GHz omni directional antenna (6 dBi 2.4 GHz, 8 dBi 5 GHz) included
- Gigabit Ethernet
- 720 MHz CPU, 64 MB RAM
- RouterOS level 4 license (AP, CPE or Point-to-Point)

**Metal 52 ac**

A small size outdoor integrated super high power wireless AP in a weatherproof metal case with a selectable wireless band (2.4 GHz or 5 GHz) and N-male connector for an external antenna.
- 5 GHz 802.11a/n or 2.4 GHz 802.11b/g/n single chain wireless (selectable)
- 2.4/5 GHz omni directional antenna (6 dBi 2.4 GHz, 8 dBi 5 GHz) included
- Gigabit Ethernet
- 720 MHz CPU, 64 MB RAM
- RouterOS level 4 license (AP, CPE or Point-to-Point)

**BaseBox 2**

An outdoor 2.4 GHz 802.11b/g/n high power wireless integrated base station with two RPSMA connectors for external antennas and an expansion slot.
- 2.4 GHz 802.11b/g/n dual chain high power wireless
- 2x RPSMA connectors for external antennas
- 10/100 Mbps Ethernet
- 600 MHz CPU, 64 MB RAM
- miniPCIe slot, SIM slot, USB
- RouterOS level 4 license (AP, CPE or Point-to-Point)

**BaseBox 5**

An outdoor 5 GHz 802.11a/n high power wireless integrated base station with two RPSMA connectors for external antennas and an expansion slot.
- 5 GHz 802.11a/n dual chain high power wireless
- 2x RPSMA connectors for external antennas
- 10/100 Mbps Ethernet
- 600 MHz CPU, 64 MB RAM
- miniPCIe slot, SIM slot, USB
- RouterOS level 4 license (AP, CPE or Point-to-Point)

**NetBox 5**

An outdoor 5 GHz 802.11a/n/ac high power wireless integrated base station with two RPSMA connectors for external antennas.
- 802.11a/n/ac dual chain high power wireless
- 2x RPSMA connectors for external antennas
- Gigabit Ethernet
- 720 MHz CPU, 128 MB RAM
- RouterOS level 4 license (AP, CPE or Point-to-Point)

**NetMetal 5 series**

An rock solid, metalic outdoor 5 GHz 802.11a/n/ac high power wireless integrated base station with RPSMA connectors for external antennas. Extra slot for a cellular modem or a second wireless interface, to build a dual band AP.
- 802.11a/n/ac dual or triple chain super high power wireless
- 2-3 RPSMA connectors for external antennas
- Gigabit Ethernet
- SFP port for 1.25 Gigabit connectivity
- 720 MHz CPU, 128 MB RAM
- miniPCIe slot for additional interface (some models), USB port
- RouterOS level 4 license (AP, CPE or Point-to-Point)
- Weatherproof metal enclosure (IP66)
60 GHz integrated units

Wireless Wire Dish
2 Gb/s aggregate link up to 1500m+ without cables!
- Includes two LHGG 60 devices for 60 GHz link
- 1 Gbps full duplex AES encrypted
- Devices already paired together
- Distances 1,500 m+
- Outdoor weatherproof enclosures
- Four core 716 MHz CPU, 256 MB RAM

Wireless Wire
2 Gb/s aggregate link up to 200m+ without cables!
- Includes two wAP60 devices for 60 GHz link
- 1 Gbps full duplex AES encrypted
- Devices already paired together
- Distances 200 m+
- Outdoor weatherproof enclosures
- Four core 716 MHz CPU, 256 MB RAM

wAP 60G AP
Weatherproof integrated 60 GHz wireless unit to be used indoors or outdoors as a base station or a CPE.
- 60 GHz phase array 60° beamforming antenna
- 4 core 716 MHz CPU, 256 MB RAM
- Distances 200 m+
- Gigabit Ethernet
- Works through most windows, depending on their material
- Outdoor weatherproof enclosure
- RouterOS level 4 license (AP, CPE or Point-to-Point)

wAP 60G
Weatherproof integrated 60 GHz wireless unit to be used indoors or outdoors as a Point-to-Point or a CPE.
- 60 GHz phase array 60° beamforming antenna
- 4 core 716 MHz CPU, 256 MB RAM
- Distances 200 m+
- Gigabit Ethernet
- Works through most windows, depending on their material
- Outdoor weatherproof enclosure
- RouterOS level 3 license (CPE or Point-to-Point)

wAP 60Gx3 AP
The wAP 60Gx3 AP is a new access point model for the 60 GHz spectrum. Compared with the regular wAP 60G AP, this new model has a completely new antenna array, with support for a much wider angle of coverage and is optimized specifically for multipoint operation.

The 96 antenna elements work with beamforming technology to provide connectivity for up to eight 60 GHz client devices at the same time, in a 180 degree field of view. Build a cost effective point to multipoint setup in the clean 60 GHz wireless spectrum, at a fraction of the cost.

Two units can be used in point-to-point configurations as well.

- Quad-core 716 MHz CPU, 256 MB RAM
- Gigabit Ethernet
- Integrated Phase array 180° beamforming

LHG Lite60
A low cost CPE unit for connecting to a 60 GHz AP at longer distances, enabling you to build a cost effective point to multipoint setup in the 60 GHz wireless spectrum.
- 60 GHz phase array 60° beamforming antenna
- 650 MHz CPU, 64 MB RAM
- Distances up to 800 m
- 10/100 Mbit Ethernet
- RouterOS level 3 license (CPE or Point-to-Point)

SXTsq Lite60
A low cost CPE unit for connecting to a 60 GHz AP, enabling you to build a cost effective point to multipoint setup in the clean 60 GHz wireless spectrum.
- 60 GHz phase array 60° beamforming antenna
- 650 MHz CPU, 64 MB RAM
- Distances up to 200 m
- 10/100 Mbit Ethernet
- Works through most windows, depending on their material
- For links up to 200 meters
- RouterOS level 3 license (CPE or Point-to-Point)
Single band 2.4 GHz access points

**hAP mini**
A tiny size 2.4 GHz SOHO AP with three Ethernet ports in a tower case.
- 802.11b/g/n dual chain wireless
- 3x 10/100 Mbps Ethernet ports
- 650 MHz CPU, 32 MB RAM
- Tiny size (8 cm tall) tower enclosure
- Most affordable MikroTik AP

**hAP lite**
A compact 2.4 GHz SOHO AP with four Ethernet ports in a colorful tower case.
- 802.11b/g/n dual chain wireless
- 4x 10/100 Mbps Ethernet ports
- 650 MHz CPU, 32 MB RAM
- Compact colorful tower case
- Button triggered WPS

**hAP lite classic**
A compact 2.4 GHz SOHO AP with four Ethernet ports in a desktop case.
- 802.11b/g/n dual chain wireless
- 4x 10/100 Mbps Ethernet ports
- 650 MHz CPU, 32 MB RAM
- Compact desktop case
- Button triggered WPS

**hAP**
A compact 2.4 GHz SOHO AP with five Ethernet ports in a desktop case and PoE support.
- 802.11b/g/n dual chain wireless
- 5x 10/100 Mbps Ethernet ports (PoE output on port 5)
- 650 MHz CPU, 64 MB RAM
- Compact desktop case
- USB

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6 GHz integrated units

**SXT 6**
The SXT 6 is an outdoor wireless device for licensed bands with a dual chain 16 dBi 28° 5.9-6.4 GHz integrated antenna.
- 5.9-6.4 GHz 16 dBi antenna for licensed bands
- 802.11a/n dual chain wireless
- Gigabit Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS level 4 license (AP, CPE or Point-to-Point)

**BaseBox 6**
An outdoor wireless device, fitted with two SMA connectors for antennas, and a cable hood for protection against moisture.
- 5.9-6.4 GHz frequency range
- 802.11a/n dual chain wireless
- Gigabit Ethernet and 2 RP-SMA connectors for antennas
- 600 MHz CPU, 64 MB RAM
- RouterOS level 4 license (AP, CPE or Point-to-Point)

**DynaDish 6**
The DynaDish 6 is an outdoor wireless device for licensed bands with a dual chain 25 dBi 5.9-6.4 GHz integrated antenna.
- 5.9-6.4 GHz 25 dBi antenna for licensed bands
- 802.11a/n dual chain wireless
- Gigabit Ethernet
- 600 MHz CPU, 64 MB RAM
- RouterOS level 4 license (AP, CPE or Point-to-Point)
PWR-Line AP

The PWR-Line AP is a small Wi-Fi access point, made as an accessory to your existing network, for places, where your signal or your cable is unable to reach.

Especially useful in homes with thick walls, where you can extend Wi-Fi coverage to those rooms, where signal is poor, without having to re-wire your house.

Simply plug this device directly into one of the LAN ports of your MikroTik router, and add another one somewhere further in your premises. They will link together through the power lines. You can install up to eight PWR-LINE devices to further build your network.

- Extend your network without extra LAN cables
- Connects over power lines
- 2.4 GHz 802.11b/g/n dual chain wireless
- 10/100 Mbps Ethernet
- 650 MHz CPU, 64 MB RAM
- EU and US plug models available

mAP lite

A tiny size travel router with 2.4 GHz AP functionality.

- Our smallest wireless access point, barely larger than a matchbox
- 802.11b/g/n dual chain wireless
- 10/100 Mbps Ethernet
- Can be used as a client device to improve laptop signal range
- 650 MHz CPU, 64 MB RAM

RB951Ui-2HnD

A high power 2.4 GHz AP in desktop case with five Ethernet ports and PoE support.

- 802.11b/g/n 2.4 GHz high power dual chain wireless
- 5x 10/100 Mbps Ethernet ports (PoE output on port 5)
- 600 MHz CPU, 128 MB RAM
- Compact desktop case
- USB, NAND memory for storage

RB951G-2HnD

A high power 2.4 GHz AP in desktop case with five Gigabit Ethernet ports.

- 802.11b/g/n 2.4 GHz high power dual chain wireless
- 5 Gigabit Ethernet ports
- 600 MHz CPU, 128 MB RAM
- Compact desktop case
- USB, NAND memory for storage

RB2011UiAS-2HnD-IN

A high power multi port 2.4 GHz AP in a metal desktop case with PoE functionality and support for optical fiber connectivity.

- 802.11b/g/n 2.4 GHz high power dual chain wireless with external dipole antennas
- 5x Gigabit Ethernet ports
- 5x 10/100 Mbps Ethernet ports
- Ethernet port 10 can power other PoE capable devices
- SFP port for 1.25 Gigabit connectivity
- 600 MHz CPU, 128 MB RAM, LCD display and USB
- Sturdy metal desktop enclosure

PWR-Line AP

Extend your network without extra LAN cables
Connects over power lines
2.4 GHz 802.11b/g/n dual chain wireless
10/100 Mbps Ethernet
650 MHz CPU, 64 MB RAM
EU and US plug models available

mt.lv/p/172
mt.lv/p/190
mt.lv/p/283
mAP
A small size travel router with 2.4 GHz wireless, two Ethernet ports and PoE output. Configure the ports as desired (one WAN and one LAN, or any other combination).
- 802.11b/g/n dual chain wireless
- 2x 10/100 Mbps Ethernet ports (PoE output on port 2)
- 650 MHz CPU, 64 MB RAM
- Accepts power from a wide variety of sources - USB, PoE and power jack
- Small case

Dual band home access points

hAP ac lite
A compact dual concurrent 2.4 GHz / 5 GHz SOHO AP with five Ethernet ports in a desktop case and PoE support.
- 802.11b/g/n dual chain and 802.11a/n/ac single chain wireless
- Five 10/100 Mbps Ethernet ports (PoE output on port 5)
- 650 MHz CPU, 64 MB RAM
- Compact classic desktop case
- USB

mAP
A tiny 2.4 GHz AP, perfect for public locations and hospitality businesses.
- Two different casings included – ceiling and wall mount
- 802.11b/g/n dual chain wireless
- 1.5 dBi 2.4 GHz antenna
- 10/100 Mbps Ethernet
- 650 MHz CPU, 64 MB RAM

hAP ac lite tower
A compact dual concurrent 2.4 GHz / 5 GHz SOHO AP with five Ethernet ports in a universal case and PoE support.
- 802.11b/g/n dual chain and 802.11a/n/ac single chain wireless
- Five 10/100 Mbps Ethernet ports (PoE output on port 5)
- 650 MHz CPU, 64 MB RAM
- Universal case to be positioned either horizontally or vertically
- USB

cAP lite
A Compact 2.4 GHz AP with ceiling case for larger coverage, perfect for public locations and hospitality businesses.
- 802.11b/g/n dual chain wireless
- 2 dBi 2.4 GHz antenna
- 10/100 Mbps Ethernet
- 650 MHz CPU, 64 MB RAM
- Ceiling case

hAP ac lite
A dual concurrent 2.4 GHz / 5 GHz high power AP with five Gigabit Ethernet ports, SFP and PoE support.
- 802.11b/g/n triple chain and 802.11a/n/ac triple chain high power wireless
- 5 Gigabit Ethernet ports (PoE output on port 5)
- SFP port for 1.25 Gigabit connectivity, USB
- 720 MHz CPU, 128 MB RAM

cAP
A small weatherproof 2.4 GHz wireless access point for mounting on a ceiling, wall or pole.
- 802.11b/g/n dual chain wireless
- 2.4 GHz antenna
- 10/100 Mbps Ethernet
- 650 MHz CPU, 64 MB RAM
- Weatherproof outdoor case, available in white and black

hAP ac
A dual concurrent 2.4 GHz / 5 GHz high power AP with five Gigabit Ethernet ports, SFP and PoE support.
- 802.11b/g/n triple chain and 802.11a/n/ac triple chain high power wireless
- 5 Gigabit Ethernet ports (PoE output on port 5)
- SFP port for 1.25 Gigabit connectivity, USB
- 720 MHz CPU, 128 MB RAM

wAP
An in-wall dual concurrent 2.4 GHz / 5 GHz wireless access point with three Ethernet ports and telephone jack pass through for hospitality networks.
- In-wall case that fits US and EU most popular telecommunication sockets
- 802.11b/g/n 2.4 GHz dual chain and 802.11a/n/ac 5 GHz single chain wireless
- Pass through telephone jack (RJ11)
- USB for charging mobile devices or for storage
- 650 MHz CPU, 64 MB RAM
hAP ac²

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, and USB can be used for external storage or 4G/LTE modem.

New design universal case allows unit to be positioned either horizontally (desktop) or vertically (tower case). Wall anchored mounting kit is provided.

- 802.11b/g/n dual chain high power wireless
- 802.11a/n/ac triple chain high power wireless
- Gigabit Ethernet port
- 720 MHz CPU, 64 MB RAM
- Weatherproof outdoor case, available in white or black

RB4011iGS+5HacQ2nD-IN

The RB4011 uses the amazingly powerful quad core Cortex A15 chip from Annapurna labs, an Amazon company, same as in our carrier grade RB1100AHx4 unit. The CPU supports IPsec hardware acceleration, there is 1 GB of RAM, so this device will easily handle any task you have configured RouterOS to perform. All of this power, in a compact, fanless and professional looking solid metal enclosure in matte black.

A powerful dual concurrent 2.4 GHz / 5 GHz wireless access point with two Gigabit Ethernet ports and PoE functionality, that looks beautiful on both walls and ceilings.

- 802.11b/g/n dual chain high power wireless
- 802.11a/n/ac dual chain high power wireless
- 4 core 716 MHz CPU, 128 MB RAM
- New design universal case to be positioned either horizontally (desktop) or vertically (tower case)
- Support for IPsec hardware encryption and The Dude monitoring server
- USB

wAP ac

A small weatherproof dual concurrent 2.4 GHz / 5 GHz high power wireless access point for mounting on a ceiling, wall or pole.

- 802.11b/g/n dual chain high power wireless
- 802.11a/n/ac triple chain high power wireless
- Gigabit Ethernet port
- 720 MHz CPU, 64 MB RAM
- Weatherproof outdoor case, available in white or black

The WiFi model is a dual band, four chain unit with a supported data rate of up to 1733 Mbps in 5 GHz. For legacy devices, the unit also has a dual chain 2.4 GHz interface. The device has large external antennas for amazing 360 degree coverage.

In addition to the ten 1 Gbps ethernet ports, an SFP+ port provides optional 10 Gbps connectivity through an SFP+ module (not included).

- Quad-core 1.4 GHz CPU
- 1 GB of RAM
- Quad chain 5 GHz, dual chain 2 GHz access point
- All metal passive cooled enclosure
- External antennas for best coverage
Devices with 3G/LTE cellular network support

wAP LTE series

The wAP LTE is a small weatherproof wireless access point with a built in cellular modem that supports 2G, 3G and 4G (LTE) connectivity. Connect to the wAP’s built-in 802.11b/g/n wireless and access the LTE network from your phone or any other wireless device. The wAP LTE also has one 10/100 Ethernet LAN port for your wired devices.

Four versions are available:

- **wAP LTE kit** includes LTE modem that supports International LTE bands 1,2,3,7,8,20,38 and 40.
- **wAP LTE kit-US** includes LTE modem that supports LTE bands 2,4,5 and 12, mostly used by mobile operators in United States, Canada and Latin America.
- **wAP 4G kit** includes LTE modem that supports LTE FDD bands 3, 7, 20 and 31 as well as LTE TDD bands 41n, 42 and 43.
- **wAP R** is shipped without LTE card installed (empty miniPCI-e slot), so you can use your own LTE card.

LtAP mini series

The LtAP mini LTE kit is a small weatherproof wireless access point with a built in cellular modem that supports 2G (international version only), 3G and 4G (LTE) connectivity. It is also available separately, without the modem, so you can use your own.

Four versions are available:

- **LtAP mini LTE kit** includes LTE modem that supports International LTE bands 1,2,3,7,8,20,38 and 40.
- **LtAP mini LTE kit-US** includes LTE modem that supports LTE bands 2,4,5 and 12, mostly used by mobile operators in United States, Canada and Latin America.
- **LtAP mini 4G kit** includes LTE modem that supports LTE FDD bands 3 (1800MHz), 7 (2600MHz), 20 (800MHz) and 31 (450MHz), as well as LTE TDD bands 41n (2500MHz), 42 (3500MHz) and 43 (3700MHz).
- **LtAP mini** is shipped without LTE card installed (empty miniPCI-e slot), so you can use your own LTE card.

SXT LTE series

The SXT LTE kit is a device for remote locations that are within cellular network coverage. However, due to its professional LTE chip design and high gain antenna, it can provide connectivity for your building even where cell phones can’t.

The device has a built in high quality Category 4 modem for speeds of up to 150 Mbit/s downlink and 50 Mbit/s uplink, as well as two Micro SIM slots for backup link.

Three versions are available:

- **SXT LTE Kit** includes LTE modem that supports International LTE bands 1, 2, 3, 7, 8, 20, 38 and 40.
- **SXT LTE Kit-US** includes LTE modem that supports LTE bands 2, 4, 5 and 12, mostly used by mobile operators in United States, Canada and Latin America.
- **SXT 4G kit** includes LTE modem that supports LTE FDD bands 3 (1800MHz), 7 (2600MHz), 20 (800MHz) and 31 (450MHz), as well as LTE TDD bands 41n (2500MHz), 42 (3500MHz) and 43 (3700MHz).

LHG LTE series

The LHG LTE kit is a device for remote locations that are within cellular network coverage. Mount it outdoors, on a pole, mast or any high enough structure, and connect even where cell phones can’t. Due to it’s large sized high gain antenna, the device is capable to connect to cell towers in extreme rural locations, giving you the ability to provide last mile internet access where nothing else is available.

The unit is equipped with one Ethernet port, has a built in high quality Category 4 modem for speeds of up to 150 Mbit/s downlink and 50 Mbit/s uplink.

Three versions are available:

- **LHG LTE kit** includes LTE modem that supports International LTE bands 1, 2, 3, 7, 8, 20, 38 and 40.
- **LHG LTE kit-US** includes LTE modem that supports LTE bands 2, 4, 5 and 12, mostly used by mobile operators in United States, Canada and Latin America.
- **LHG 4G kit** includes LTE modem that supports LTE FDD bands 3 (1800MHz), 7 (2600MHz), 20 (800MHz) and 31 (450MHz), as well as LTE TDD bands 41n (2500MHz), 42 (3500MHz) and 43 (3700MHz).
# Devices with one Ethernet port

The RouterBOARD PCB series of devices come without enclosures, allowing you to build custom solutions or use existing telecommunication boxes for installations. These devices are versatile and customizable for any situation.

## RBM11G

The RBM11G is a fully featured RouterBOARD device perfect for using with your own enclosure or building a custom solution. It uses the same square PCB and mounting holes as its predecessors, you can simply swap out the older models with the brand new RBM11G.

- RB411 and RB911 form factor
- Powerful dual core 880 MHz CPU, 256 MB RAM
- Gigabit Ethernet port
- miniPCIe slot, SIM slot
- Power jack

## RB911G-2HPnD

A small CPE type OEM router with an integrated 2.4 GHz dual chain wireless and Gigabit Ethernet.

- Low cost, small size
- 802.11b/g/n 2.4 GHz dual chain high power wireless onboard
- 600 MHz CPU, 64 MB RAM
- Gigabit Ethernet port
- Power jack
- RouterOS level 3 license (CPE or Point-to-Point)

## RB911-5Hn

A small CPE type OEM router with an integrated 5 GHz single chain wireless.

- Low cost, small size
- 802.11a/n 5 GHz single chain wireless onboard
- 600 MHz CPU, 64 MB RAM
- 10/100 Mbps Ethernet
- RouterOS level 3 license (CPE or Point-to-Point)

## RB911G-5HPnD

A small CPE type OEM router with an integrated 5 GHz dual chain wireless and Gigabit Ethernet.

- Low cost, small size
- 802.11a/n 5 GHz dual chain high power wireless onboard
- 600 MHz CPU, 64 MB RAM
- Gigabit Ethernet port
- Power jack
- RouterOS level 3 license (CPE or Point-to-Point)

## RB911G-5HacD

A small CPE type OEM router with an integrated 5 GHz 802.11a/n/ac dual chain wireless.

- Low cost, small size
- 802.11a/n/ac 5 GHz dual chain wireless onboard
- 650 MHz CPU, 64 MB RAM
- 10/100 Mbps Ethernet
- RouterOS level 3 license (CPE or Point-to-Point)

## RB911-5HnD

A small CPE type OEM router with an integrated 5 GHz dual chain wireless.

- Low cost, small size
- 802.11a/n 5 GHz dual chain wireless onboard
- 600 MHz CPU, 64 MB RAM
- 10/100 Mbps Ethernet
- RouterOS level 3 license (CPE or Point-to-Point)

## RB912UAG-2HPnD

A small AP type OEM router with an integrated 2.4 GHz dual chain wireless, Gigabit Ethernet and expansion options.

- Small size
- 802.11b/g/n 2.4 GHz dual chain high power wireless onboard
- 600 MHz CPU, 64 MB RAM
- Gigabit Ethernet port
- miniPCI slot, SIM slots, USB
- Power jack
- RouterOS level 4 license (AP, CPE or Point-to-Point)

## RB911G-5HPnD

A small CPE type OEM router with an integrated 5 GHz dual chain wireless and Gigabit Ethernet.

- Low cost, small size
- 802.11a/n 5 GHz dual chain high power wireless onboard
- 600 MHz CPU, 32 MB RAM
- Gigabit Ethernet port
- Power jack
- RouterOS level 3 license (CPE or Point-to-Point)
RB912UAG-5HPnD
A small AP type OEM router with an integrated 5 GHz dual chain wireless, Gigabit Ethernet and expansion options.
- 802.11a/n 5 GHz dual chain high power wireless onboard
- 600 MHz CPU, 64 MB RAM
- Gigabit Ethernet port
- miniPCI, SIM slots, USB
- RouterOS L4 (AP, CPE or Point-to-Point)

RB911G-5HPacD
A small CPE type OEM router with an integrated 5 GHz 802.11a/n/ac dual chain wireless and Gigabit Ethernet.
- 802.11a/n/ac 5 GHz dual chain high power wireless onboard
- 720 MHz CPU, 128 MB RAM
- Gigabit Ethernet port
- Power jack
- RouterOS level 3 license (CPE or Point-to-Point)

RB922UAGS-5HPacD
A small, powerful AP type OEM router with an integrated 5 GHz 802.11a/n/ac dual chain wireless, Gigabit Ethernet, SFP and expansion options.
- 802.11a/n/ac 5 GHz dual chain high power wireless onboard
- 720 MHz CPU, 128 MB RAM
- One Gigabit Ethernet port
- SFP port for 1.25 Gigabit connectivity
- miniPCIe, SIM slots, USB
- RouterOS level 4 license (AP, CPE or Point-to-Point)

RB953GS-5HnT-RP
An OEM board with faster CPU, onboard triple chain 5 GHz wireless, two miniPCI slots, three Gigabit Ethernet and two SFP ports.
- 720 MHz CPU, 128 MB RAM
- Onboard 802.11a/n 5 GHz high power triple chain wireless
- 3 RP-SMA connectors for external antennas
- 3 Gigabit Ethernet ports
- 2 SFP port for 1.25 Gigabit connectivity
- 2 miniPCI slots and two SIM slots

RB450Gx4
The RB450Gx4 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.
- 4 core 716 MHz CPU, 1GB RAM
- microSD slot, two Power jacks, RS232 serial port
- Supports 10 V - 57 V input, 802.3af/at compliant
- Hardware IPsec encryption supported
- RouterOS level 5 license

RB450Gx4

Devices with multiple Ethernet ports

RB800
An OEM board with four miniPCI slots, three Gigabit Ethernet ports and a compact flash slot.
- 800 MHz CPU, 256 MB RAM
- 3 Gigabit Ethernet ports
- 4 miniPCI slots
- microSD slot, miniPCIe slot, compact flash slot
- Power jack, RS232 serial port
- 38-57 V power input
- RouterOS level 6 license

RB800

RBM33G
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 the same mounting holes as its predecessors (RB433 and RB953 series).
The RBM33G features a new MediaTek dual core CPU running at 880 MHz and 256 MB of DDR3 RAM and three Gigabit Ethernet ports. It is specially designed for setups that require two 3G/LTE modems.
- Powerful dual core 880 MHz CPU, 256 MB RAM
- 3 Gigabit Ethernet ports
- 2 miniPCIe slots, two SIM slots
- USB, microSD and a PCIe M.2 slot
- RouterOS level 4 license (AP, CPE or Point-to-Point)
**Accessories for LTE**

**R11e-LTE**
LTE miniPCIe card for international bands.
- 2G/3G/4G/LTE miniPCIe card
- Support for international LTE bands 1/2/3/5/7/8/20/38/40
- Two U.FL connectors
- Can be used with any of MikroTik products with RouterOS and miniPCIe slot (except RB800)

**R11e-LTE-US**
LTE miniPCIe card for United States bands.
- 3G/4G/LTE miniPCIe card
- Support for US LTE bands 2/4/5/12
- Two U.FL connectors
- Can be used with any of MikroTik products with RouterOS and miniPCIe slot (except RB800)

**R11e-4G**
Category 4 4G/LTE miniPCI-e card.
- R11e-4G supports LTE FDD bands 3 (1800MHz), 7 (2600MHz), 20 (800MHz) and 31 (450MHz), as well as LTE TDD bands 41n (2500MHz), 42 (3500MHz) and 43 (3700MHz).
- Compatible with our products that has miniPCIe slots, like LtAP mini, wAP R, RBM11G, RBM33G or others

**ACSMAUFL**
U.FL-SMA female pigtail.
- To be used to connect an LTE card to an external antenna
- U.FL connector on one side, SMA female on other
- Designed for use with the wAP R
**DINrail PRO**
DINrail PRO is a mounting bracket for LtAP mini series products, designed to fit standard 35 mm × 7.5 mm DIN rails. This bracket will allow to install LtAP mini next to the industrial control equipment like water meters etc., as well as in equipment racks. Mounting bracket is made from metal and comes with a metal ring.

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**Accessories for fiber**

**S-85DLC05D**
1.25G SFP transceiver for up to 550 meter fiber connection.
- 850 nm Dual LC connector
- Multi mode
- Up to 550 meter fiber connection
- For use in MikroTik products with SFP ports for 1.25 Gigabit connectivity
- Compatible with non-MikroTik SFP devices as well

**S-31DLC20D**
1.25G SFP transceiver for up to 20 km fiber connection.
- 1310 nm Dual LC connector
- Single Mode
- Up to 20 km fiber connection
- For use in MikroTik products with SFP ports for 1.25 Gigabit connectivity
- Compatible with non-MikroTik SFP devices as well

**S-3553LC20D**
A pair of 1.25G SFP transceivers for up to 20 km fiber connection on a single optical cable.
- 1.25G single mode optical SFP module with a LC connector, T1310 nm/R1550 nm
- 1.25G single mode optical SFP transceiver with an LC connector, T1550 nm/R1310 nm
- Up to 20 km fiber connection
- For use in MikroTik products with SFP ports for 1.25 Gigabit connectivity
- Compatible with non-MikroTik SFP devices as well

**S-55DLC80D**
1.25G Single Mode optical SFP module with a Dual LC connector
- Supports any MikroTik device that has SFP or SFP+ ports
- Well suited for distances up to 80 km

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**mANT LTE 5o**
An omnidirectional antenna specifically designed for LTE frequencies.
- Omnidirectional 360 degrees LTE antenna
- Designed for MikroTik LTE products
- Improve the connection in the areas with inadequate LTE service coverage
- 2 SMA female connectors
- 699 MHz - 2.7 GHz range

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**ACGPSA**
The active GPS antenna is the perfect companion for the LtAP mini, giving you the possibility to get accurate geographical coordinates of your router, even when it is mounted indoors.

The long cable allows to bring the antenna outside and mount it with the included magnet, or double sided tape.
- 1575.42 MHz center frequency
- 100% waterproof (IP67)
- SMA connector
- 26 dB gain

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**SMASMA**
SMA-Male to SMA Male cable.
- To be used to connect LTE card to an external antenna (via ACSMAUFL)
- 100 cm long, SMA-Male connectors on both sides
- Designed for use with the wAP R

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**mANT LTE 5o**
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- Omnidirectional 360 degrees LTE antenna
- Designed for MikroTik LTE products
- Improve the connection in the areas with inadequate LTE service coverage
- 2 SMA female connectors
- 699 MHz - 2.7 GHz range
Highly cost-effective way to connect two SFP/SFP+ devices within racks and across adjacent racks.

- **S+DA0001**
  - Converts two SFP/SFP+ devices within racks and across adjacent racks.
  - 1 m SFP+ direct attach cable
  - Low cost, low power and low latency interconnect solution for 10-Gigabit Ethernet, Fiber Channel and other industry standards
  - Direct attached compliant
  - Fully conform to the SFP+ MSA specifications

- **S+DA0003**
  - Converts two SFP/SFP+ devices for very short distances, within racks and across adjacent racks.
  - 3 m SFP+ direct attach cable
  - Low cost, low power and low latency interconnect solution for 10-Gigabit Ethernet, Fiber Channel and other industry standards
  - Direct attached compliant
  - Fully conform to the SFP+ MSA specifications

- **S+AO0005**
  - This is highly cost-effective way to connect two SFP/SFP+ devices for very short distances, within racks and across adjacent racks.
  - 5 m SFP+ direct attach active optical cable
  - Works with all our products with SFP+SFP+ ports
**CWDM**

The CWDM is a passive MUX/DEMUX unit, which allows to combine up to eight fiber links into one, to simplify and reduce the cost of long distance fiber installations.

At the other location, the combined line is split back up again, so that instead of eight long fiber lines, you would only need one. The Coarse Wavelength-Division Multiplexing (CWDM) technology offers a solution which will increase capacity of existing fiber infrastructure by enabling multiple channels/wavelengths over the same fiber cabling and will reduce costs for a new fiber optic deployment.

Available separately is a 1U mounting bracket and a wide variety of CWDM fiber optics modules, depending on your requirements.

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**Power supplies**

- **12POW150**
  - Hot swap 12 V 150 W AC/DC power supply for CCR1072-1G-8S+.
  - 12 V 150 W AC/DC
  - Hot swappable, zero downtime

- **PW48V-12V150W**
  - Hot swap -48 V DC telecom power supply for CCR1072-1G-8S+.
  - 48 V DC
  - Hot swappable, zero downtime

- **18POW**
  - A spare power supply for most RouterBOARD models.
  - 24 V 0.8 A DC jack power supply
  - Fits hAP mini, hAP lite and mAP lite
  - Available with EU, UK, AR, AU or US plug

- **24HPOW**
  - A spare high power supply with plug.
  - 24 V 2.5 A stand alone power supply
  - Recommended for RouterBOARD models with high power consumption (e.g. models with PoE output or for long cable runs with several high power wireless cards)
  - Available with EU, UK or US plug

- **48POW**
  - A spare high power supply with plug.
  - 48 V 1.46 A 70 W stand alone power supply
  - Recommended for RouterBOARD models with 48 V support (like RB800)
  - Recommended for powering 48 V devices (IP cameras etc.) through PoE output of supported devices like CRS112-8P-4S-IN
  - Available with EU, UK or US plug

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**FTC**

Fiber to copper converter in weatherproof outdoor case.
- 12-57 V PoE input
- Supports 1.25G 1000Base-X fiber to 10/100/1000 Mbps copper
48V2A96W
Spare 48 V power supply with plug for resource-hungry PoE-out devices.
- 48 V 2 A 96 W power supply
- Recommended for powering 48 V devices (IP cameras etc.) through PoE output of supported devices like CRS112-8P-4S-IN
- Providing 30% more current than the old model 48POW, more power per port
- Available with EU, UK or US plug

RBPOE
Low-cost passive PoE base unit for powering passive PoE devices over Ethernet.
- Helps reducing number of wires that lead up the tower
- Support 10-28 V PoE powering
- Input needs to be at least 18 V to accommodate any losses in cables

RBGPOE
Passive Gigabit PoE base unit for powering passive PoE devices over Ethernet.
- Helps reducing number of wires that lead up the tower
- For using with any RouterBOARD that supports 9-48 V PoE
- Shielded connectors

RBGPOE-CON-HP
48 to 24 V Gigabit PoE Converter.
- Allows to use any 48 V PoE source (including Passive PoE, telecom PoE, 802.3af and 802.3at) to power RouterBOARD devices
- Supports any 8-30 V capable RouterBOARD devices and 10/100/1000 Mbps Ethernet
- Capable to provide high power output - up to 24 W (up to 1 A at 24 V)
- Integrated heatsink; has mounting holes for attaching to a wall

mUPS
Gigabit PoE injector with battery backup capability with 12 V battery connector.
- LEDs indicate DC line or battery usage, the charging of battery and low battery level (<50 %)
- Works with any single 12 V battery (AGM, Gel, Lead Acid, regular car batteries, deep cycle marine batteries, etc.)
- 12-28 V input and output
- Powering by DC jack or PoE-in

Antennas and antenna accessories

mANT 15s
5 GHz 15 dBi 120° sector antenna with two RP-SMA connectors.
- Perfect companion for the BaseBox, NetBox, NetMetal or any other outdoor wireless device with RPSMA connectors
- 5.17-5.825 GHz 15 dBi 120° sector
- 2 RP-SMA connectors
- quickMOUNT pro included

mANT 19s
5 GHz 19 dBi 120° sector antenna with two RP-SMA connectors for larger coverage.
- Perfect companion for the BaseBox, NetBox, NetMetal or any other outdoor wireless device with RPSMA connectors
- 5.17-5.825 GHz 19 dBi 120° sector
- 2 RP-SMA connectors
- Metallic U bolt type mount included

mANT30
30 dBi parabolic dish antenna for 5 GHz.
- Professional class 4.7-5.875 GHz 30 dBi dish antenna
- Designed for BaseBox, NetBox and NetMetal
- Can be used for any pole mounted wireless device
- 2 RP-SMA Female connectors
- 2 FlexGuide cables included
- Recommended to use with quickMOUNT extra

mANT30 PA
30 dBi parabolic dish antenna with precision alignment mount for 5 GHz.
- Professional class 4.7-5.875 GHz 30 dBi dish antenna
- Designed for BaseBox, NetBox and NetMetal
- Can be used for any pole mounted wireless device
- 2 RP-SMA Female connectors
- 2 FlexGuide cables included
- Comes with a precision alignment mount
**Radome Cover Kit for mANT30**
Cover kit for mANT reduces wind load, increases antenna operational life.

- Protects reflector surfaces from harsh environment
- Protects the antenna feed from falling objects
- Sustains wide range of temperature and direct sunlight
- Compatible with mANT30 and mANT30 PA

**Sleeve30**
Sleeve30 kit for mANT30

- Enhance point-to-point link performance by reducing noise
- Reduce impact on adjacent RF devices by removing the side radiation
- Reduces wind load
- Protects antenna reflector and feed from harsh environment
- Excellent RF signal transparency
- Compatible with mANT30 and mANT30 PA

**quickMOUNT**
Basic wall mount adapter for small Point-to-Point and sector antennas (SXT, OmniTIK etc.)

- Simple and low cost
- To be mounted on the wall or use as an adapter from large diameter pole to small size antenna
- Gives possibility to turn antenna within 190°
- Possible to simultaneously mount two SXTs
- Supports any pole mountable device with weight less than 1.5 kg
- Very durable due to it’s special composite material - anvilNITE (TM)

**quickMOUNT pro**
Advanced wall mount adapter for small Point-to-Point and sector antennas (SXT, OmniTIK, BaseBox etc.).

- To be mounted on the wall or use as an adapter from large diameter pole to small size antenna
- Gives possibility to turn antenna within 140° both in horizontal and vertical plane
- Possible to perfectly set antenna alignment using integrated graduated scale
- Supports any pole mountable device with weight less than 1.5 kg
- Very durable due to it’s special composite material - anvilNITE (TM)

**quickMOUNT pro LHG**
Advanced wall mount adapter for LHG.

- Advanced wall or pole mount adapter for our LHG antennas
- Gives possibility to turn antenna within 140° both in horizontal and vertical plane
- Possible to perfectly set antenna alignment using integrated graduated scale
- Very durable due to it’s special composite material - anvilNITE (TM)

**LHG mount**
The LHG mount is a basic pole mount adapter for LHG series products.

- Simple and low cost
- Supports all LHG series, products, including LHG XL
- Made from metal
- Package also includes a U-bolt and a K-58 mounting kit

**solidMOUNT**
Advanced pole mount adapter for LHG series products.

- Allows adjustment both vertically and horizontally
- Supports all LHG series, products, including LHG XL
- Made from metal
- Package also includes a U-bolt and a mounting kit
Other accessories

R11e-5HnD
5 GHz 802.11a/n dual chain miniPCIe card with 2 MMCX connectors.
• 4920-5920 MHz 802.11a/n dual chain wireless
• 2 MMCX connectors
• Perfect for any RouterBOARD with a miniPCIe slot
• Output power up to 27 dBm

R11e-5HacD
5 GHz 802.11a/n/ac dual chain miniPCIe card with 2 MMCX connectors.
• 4920-6100 MHz 802.11a/n/ac dual chain wireless
• Output power up to 27 dBm

R11e-5HacT
5 GHz 802.11a/n/ac triple chain miniPCIe card with 3 MMCX connectors for maximum bandwidth.
• 4920-6100 MHz 802.11a/n/ac triple chain wireless
• Output power up to 28 dBm

R11e-2HnD
2.4 GHz 802.11b/g/n dual chain low profile miniPCIe card with 2 U.FL connectors.
• 2192-2732 MHz 802.11b/g/n dual chain wireless
• Perfect for any RouterBOARD with a miniPCIe slot
• Low profile, small heat-sink, designed for laptops
• Output power up to 29 dBm

R11e-2HPnD
2.4 GHz 802.11b/g/n high power miniPCIe card with 2 MMCX connectors.
• 2192-2732 MHz 802.11b/g/n high power dual chain wireless
• Perfect for any RouterBOARD with a miniPCIe slot
• Output power up to 30 dBm

R52HnD
2.4 GHz/5 GHz 802.11a/b/g/n high power miniPCI card with 2 MMCX connectors.
• 2192-2732 MHz 802.11b/g/n high power dual chain wireless
• 4.920-6.100 GHz 802.11a/n high power dual chain wireless
• Output power up to 26 dBm

2.4GHz Dipole
2.4 GHz dipole antenna with RPSMA connector. Attach two of those to the BaseBox 2 to have 2x2 MIMO 2.4 GHz access point.
• 2.4 GHz 5 dBi dipole antenna
• RPSMA connector
• Waterproof for outdoor use

ACSWIM
2.4/5 GHz swivel omni antenna with MMCX connector.
• Compatible with R25HPn, R52nM, R52HnD miniPCI and R11e series miniPCIe wireless cards and our indoor enclosures
• Supports 2.4/5 GHz
• 2.4/5 GHz 4 dBi

Flex-guide
Ideally suited for our BaseBox, NetMetal and other products with RPSMA connectors.
• Low loss 50 cm RPSMA cable
• 50 cm long, RPSMA connectors on both sides
• For use with up to 6 GHz frequency
• Works with most antennas
• Suited for indoor and outdoor use
• Soldered, not crimped, for the best possible signal quality
Woobm

The Wireless out of band management USB stick (Woobm-USB) is a useful assistant for any network administrator. Simply plug it into any RouterBOARD USB port and it will allow you to access the console of that device over wireless. It sets up as a wireless access point and has a simple web interface where you can access a fully featured terminal interface to configure your router, and where you can configure the Woobm itself.

It can even work as a wireless client: if you wish to manage many devices, just connect all the Woobms to one AP inside your server room and manage the routers through there.

- Supports 2.4 GHz 802.11b/g/n
- Antenna gain 1.5 dB
- Can work as a wireless client and AP at the same time
- Discovers neighbour RouterOS devices

ACMMCXRPSMA

Designed for adding second wireless interface to BaseBox, NetBox or NetMetal.

- MMCX to RPSMA pigtail
- 26 cm long, MMCX connector on one side, RPSMA to other
- Compatible with most of our miniPCI and miniPCIe wireless cards

To obtain MikroTik hardware and software, visit our distributors. For more information and latest news go to mikrotik.com