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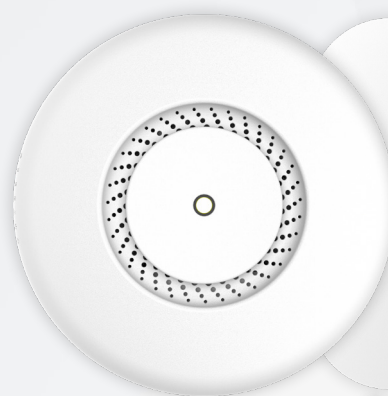
## WE ARE RELEASING MARKET-LEADING PRICE/PERFORMANCE PRODUCTS IN THREE VERY POPULAR CATEGORIES: DUAL BAND DESKTOP AP, DUAL BAND CEILING/WALL-MOUNT AP AND 8-PORT POE-OUT SWITCH!

### cAP ac

The cAP ac is a very capable and powerful wireless access point that looks beautiful on both walls and ceilings. The concurrent dual band wireless radio supports dual chain 2 GHz and 5 GHz in 802.11ac and legacy standards, and will provide coverage in 360 degrees around it. Two Gigabit Ethernet ports (second with PoE out) allows to extend your network.

[View Online](#)

[Read more](#)



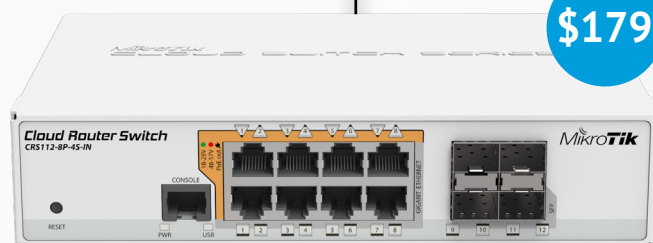
\$69

### CRS112-8P-4S-IN

CRS112-8P-4S-IN is eight Gigabit RJ45 ports PoE switch, that offers different power output options: auto-sensing 802.3af/at PoE/PoE+ and Passive PoE, and four SFP ports provide optical fiber connectivity options to support uplinks of up to 1 Gbps.

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\$179

PoE-Out

PoE-Out

### hAP ac<sup>2</sup>

The hAP ac<sup>2</sup> 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. 802.11ac and legacy standards are supported.

[View Online](#)

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\$69

## cAP ac

The cAP ac is a very capable and powerful wireless access point that looks beautiful on both walls and ceilings. The concurrent dual band wireless radio supports dual chain 2 GHz and 5 GHz in 802.11ac and legacy standards, and will provide coverage in 360 degrees around it.

Even though the radio supports repeater mode, the two Gigabit Ethernet ports give you the ability to extend your network with cables, even if PoE power is required, since the cAP ac supports 802.3af/at PoE input on the first port, and passive PoE output (up to 57 V) on the second port.



[View Online](#)

The cAP ac is a feature packed device with a sleek enclosure, that can become inconspicuous with the push of a button - the customizable mode button in the device center will turn off all lights and sounds at it's default configuration, but can be reconfigured to launch any RouterOS script.

The device comes bundled with two enclosures, so you can choose the design you like best.



24 V 1.2 A  
power adapter



Ceiling mount



Gigabit PoE injector

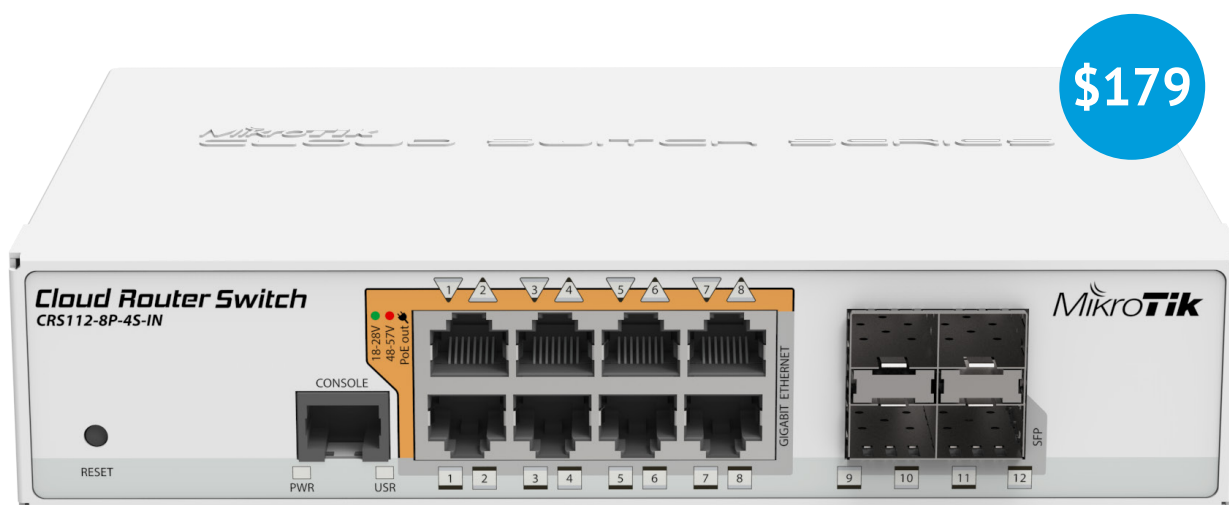


K-46 screw kit

## CRS112-8P-4S-IN

CRS112-8P-4S-IN is eight Gigabit RJ45 ports PoE switch, that offers different power output options: auto-sensing 802.3af/at PoE/PoE+ and Passive PoE, and four SFP ports provide optical fiber connectivity options to support uplinks of up to 1 Gbps.

CRS112-8P-4S-IN is equipped with 12 independent switching ports. 28 V 3.4 A power supply is already included in the box. There is secondary DC jack on the back of the enclosure that supports 48-57 V power supply (not included, can be purchased separately). CRS112-8P-4S-IN can power 802.3af/at devices if 48 V DC input is used (unit will automatically detect and provide correct power to devices). Max current is 1 A per port if input voltage is 18-28 V, 450 mA if 48-57 V. Total limit is 2.8A@24V and 1.4A@48-57V.



Our CRS series combines a fully functional router and a manageable switch with L3 features, it's powered by the familiar RouterOS. All the specific switch configuration options are available in a special switch menu, but if you want, ports can be removed from the switch configuration, and used for routing purposes. It gives you all the basic functionality for a managed switch, plus more: allows to manage port-to-port forwarding, apply MAC filter, configure VLANs, mirror traffic, apply bandwidth limitation and even adjust some MAC and IP header fields. IGMP snooping is also supported.

### 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
- Rapid Spanning Tree Protocol
- Access Control List
- MikroTik neighbor discovery
- SNMP
- 9204-byte jumbo frames support
- IGMP snooping
- Static link aggregation

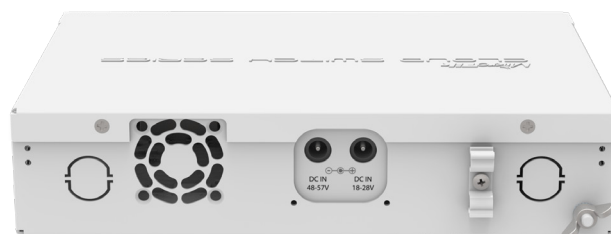
### Quick specifications

- 8 Gigabit RJ45 Ports
- 4 SFP Ports
- Non-Blocking Throughput: 12 Gbps
- Switching Capacity: 24 Gbps
- Forwarding Rate: 17.8 Mpps
- Maximum Power Consumption: 10 W (without PoE devices connected)
- Supports PoE+ IEEE 802.3at/af and Passive PoE
- Quiet, Fanless Operation
- Desktop-Rackmount

Power adapter  
28 V 3.4 A included



[View Online](#)



## hAP ac<sup>2</sup>

The hAP ac<sup>2</sup> 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. 802.11ac, legacy standards, IPsec Hardware encryption and dunder server package are supported.

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



- Dual chain wireless 2.4 GHz
- Dual chain wireless 5 GHz
- 4 core 716 MHz CPU
- 128 MB of RAM
- Five x 10/100/1000 Mbps Ethernet ports
- USB port for 3G/4G modem
- IPsec Hardware encryption

[View Online](#)



The hAP ac<sup>2</sup> can be powered from the power jack or with passive PoE from a PoE injector. The power adapter is included.

The hAP ac<sup>2</sup> is preconfigured, so all you need to do, is plug in the Internet cable, the power, and start using the internet by connecting to the MikroTik network.



Can be attached to the wall.



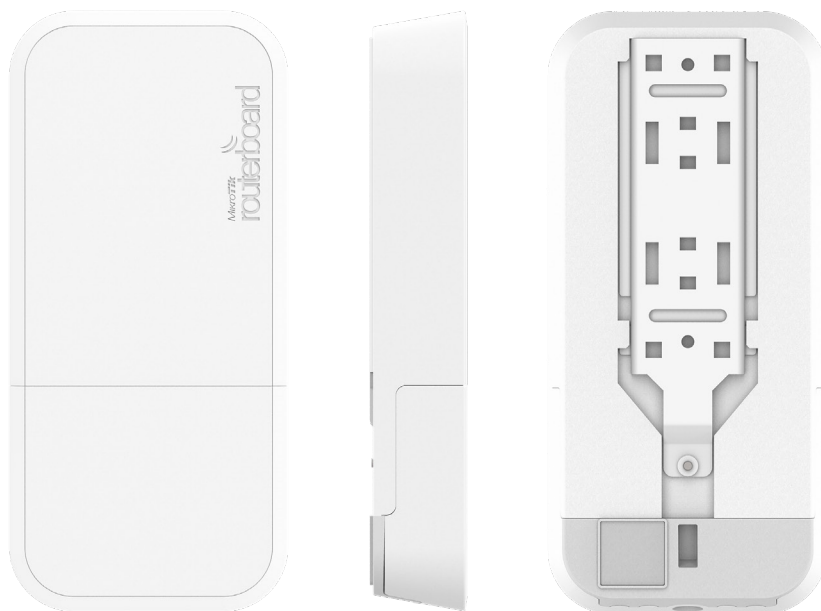
24 V 0.8 A power adapter



## wAP 60G

The wAP 60G and wAP 60G AP are weatherproof integrated 60 GHz wireless units, that can be used indoors or outdoors in different scenarios - Base Station (only wAP 60G AP), Point-to-Point and CPE (wAP 60G AP and wAP 60G).

The box includes a wall mounting kit, straps for pole mounting, power supply, PoE injector and also table stand for using the device indoors. Penetrates some windows depending on material.



2x plastic straps



Table stand



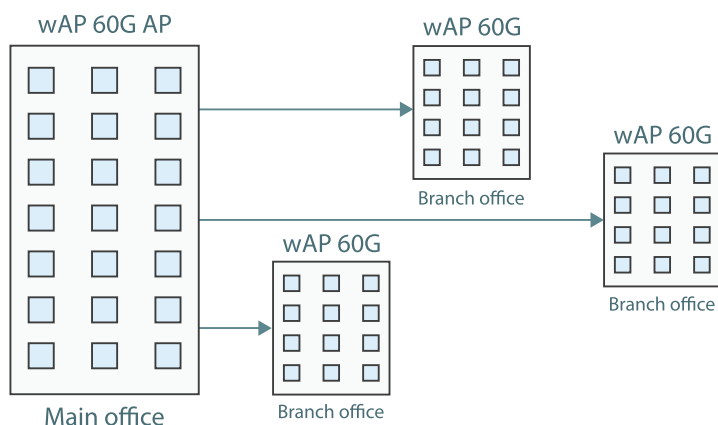
24 V 0.38 A  
power adapter



Mount bracket



Gigabit PoE  
injector



## Point-to-Multipoint

wAP 60G AP and wAP 60G allows to create high-speed Point-to-Multipoint setup in 60 GHz frequency that is not affected by the crowded WiFi spectrum. In such scenario, wAP 60G AP (comes with RouterOS L4 license for AP connections and 60 degrees antenna) can be used as Base Station / Access Point. wAP 60G AP supports up to eight simultaneous clients (wAP 60G with L3 license) on distances of 100m+.

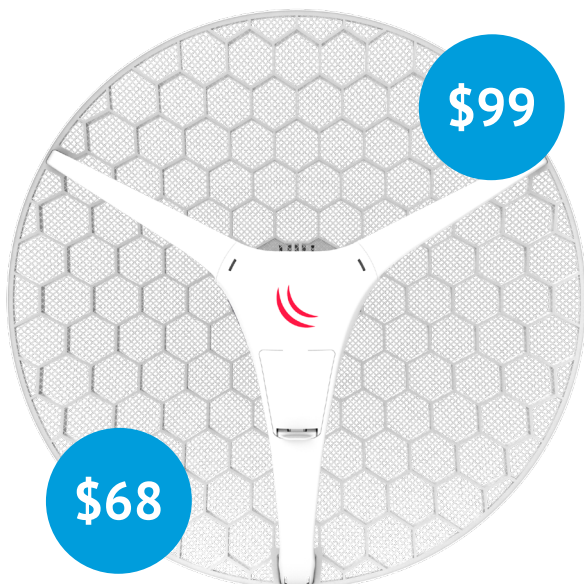
[wAP 60G online](#)

[wAP 60G AP online](#)



## LHG XL 5 ac & LHG XL 2 - the latest additions to the LHG series

The Light Head Grid (LHG) is a compact and light wireless device with an integrated dual polarization grid antenna at a revolutionary price. It is perfect for point-to-point links or for use as a CPE at longer distances. Several models are available with standard power, high power and even the XL with a higher gain and larger grid.



### LHG XL 5 ac - \$99

LHG XL 5 ac model is equipped with High Gain 27 dBi 5 GHz antenna and supports 802.11ac standard, as well as legacy 802.11a/n.

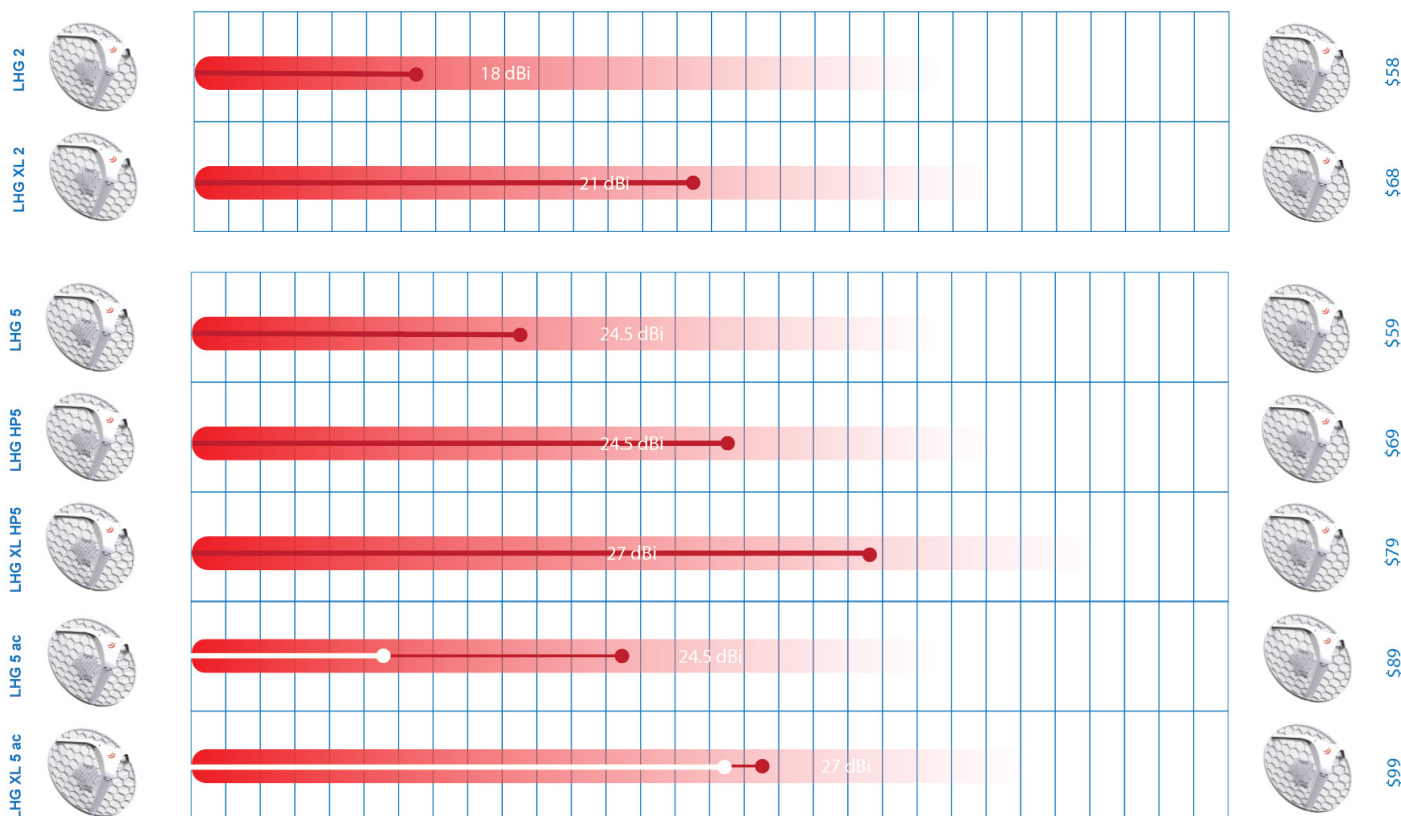
### LHG XL 2 - \$68

LHG XL 2 model is equipped with High Gain 21 dBi 2.4 GHz antenna and supports 802.11b/g/n.

[LHG XL 5 ac online](#)

[LHG XL 2 online](#)

### Maximum distance comparison



0.5 1 1.5 2 3 5 8 10 11 12 13 14 15 16 17 20 25 30 35 40 45 50 60 70 80 90 100 110 120 130 km

○ Distance at max supported 802.11ac data rate (eg. 866Mbit) ● Distance at max supported 802.11n data rate (eg. 300Mbit) ■ Max range at -70 signal

Note: line of sight, interference, alignment, weather and other outside factors will affect the wireless link performance and possible distance

## LTE miniPCI-e cards

With so many RouterBOARD devices with miniPCIe slots available, finally you can use an official MikroTik LTE card that was designed specifically for use in RouterOS, for the widest LTE frequency band support and official RouterOS drivers.

The card is a Cat4 LTE device with speeds up to 150 Mbit in LTE bands, but is also backwards compatible with legacy networks. It comes in two varieties, a model for the United States and another for the rest of the world - choose the model for your location, to have the best suited LTE frequency bands.

The card has two u.FL connectors, so you are free to use any external LTE antenna and build your own solution with any of our devices that have miniPCIe and a SIM slot, such as the M33G, Netmetal or the new wAP R.

[R11e-LTE online](#)

[R11e-LTE-US online](#)



## LDF 5 ac - Gigabit Ethernet speed

The LDF (Lite dish feed) is an outdoor wireless system with a built in antenna, meant to be installed on satellite offset dish antennas. The dish will act as a reflector, amplifying the signal.

This means you can use any available satellite TV dish with an offset mount to quickly deploy powerful long range wireless links. The offset mount is universal at 40 mm diameter, and the LDF can easily be placed inside it. Since the LDF itself is a tiny little package, it makes shipping and deployment simple and low cost.

There are two models available, the LDF 5 is lower cost and has 802.11n with a 10/100 Mbit port, while the LDF 5 ac has a higher speed CPU, more RAM, has a Gigabit port and supports 802.11ac for higher throughput.



[View Online](#)

## New way to match websites in firewall

Since most of the internet now uses https, it has become much harder to filter specific web content. For this reason, RouterOS 6.41 introduces a new firewall matcher which allows you to block https websites (TLS traffic) based on the TLS SNI extension, called "TLS-HOST". The new parameter supports glob-style patterns, which should be enough for whatever you're trying to match.

For example, to block example.com, you would use a rule like this:

```
/ip firewall filter add chain=forward dst-port=443 protocol=tcp tls-host=*.example.com action=reject
```

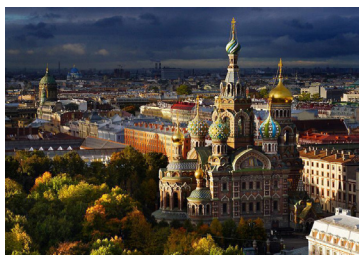
[More information in the manual](#)



## Upcoming MUM events in 2018



Ekaterinburg, Russia, March 13, 2018



St. Petersburg, Russia, March 16, 2018



Berlin, Germany, April 05 - 06, 2018



Baltimore, USA, April 12 - 13, 2018



Mexico City, Mexico, April 16 - 17, 2018



Melbourne, Australia, May 18, 2018



Auckland, New Zealand, May 21, 2018

## TRAIN THE TRAINER

APRIL 9 - APRIL 11, 2018  
RIGA, LATVIA, ROUTEROS TRAINING CENTER

**Sign up now!**

Are you a certified MikroTik specialist? This is your chance to start a new business as a trainer!

We invite you to become a certified trainer!

MikroTik will be conducting Train the Trainer course in Latvia. April 9 - April 11, 2018, in RouterOS Training center, Riga, Latvia.

A MikroTik certified trainer can conduct MikroTik certified training courses anywhere in the world.

Become a MikroTik certified trainer and give the gift of knowledge!

