

## hAP ac lite tower

The hAP ac lite is a simultaneous dual band access point, that provides WiFi coverage for 2.4GHz and 5GHz frequencies at the same time. New design universal case allows the unit to be positioned either horizontally (desktop) or vertically (tower case). Wall anchored mounting kit is also provided.



- Dual chain wireless 802.11n 2.4GHz
- Single chain wireless 802.11ac 5GHz
- 650MHz CPU
- 64MB of RAM
- Five x 10/100Mbps Ethernet ports
- Passive PoE output on port 5
- USB port for 3G/4G modem or USB drive



The hAP ac lite can be powered from the power jack or with passive PoE from a PoE injector. The 24V power adapter is included. The unit provides PoE output function for port 5 - it can power other PoE capable devices with the same voltage as applied to the unit. Maximum load on the port is 500mA/12W.

The hAP ac lite comes already preconfigured out of the box, 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.

[View online](#)



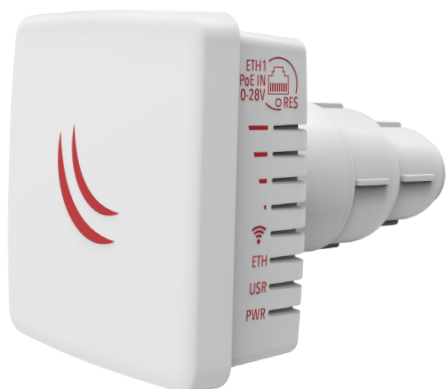
24V 1.2A Power adapter



## LDF 5

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 40mm 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.

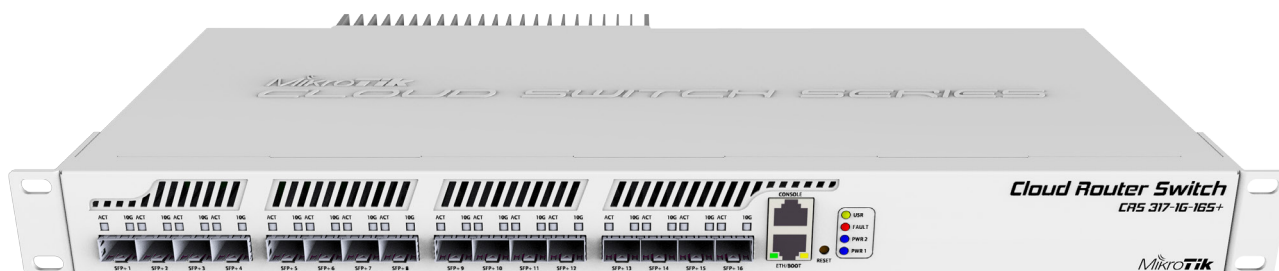


When using a dish of up to 100cm in diameter, it is possible to obtain antenna gain of up to 33dBi. The device comes preinstalled with RouterOS and is ready to use.

[View online](#)

## CRS317-1G-16S+RM (coming in 2017/Q2)

The new CRS317 is a rack-mountable Layer 3 switch that features 16 SFP+ ports for high performance 10GbE connectivity and a 1GbE copper port for management. CRS317 is powered by a next generation switching chip, giving you wire speed performance for all sixteen 10GbE ports. New features such as hardware-based Spanning Tree Protocol provide loop protection and true professional performance for your demanding network. Both SwOS and RouterOS are supported - selectable as a boot option.

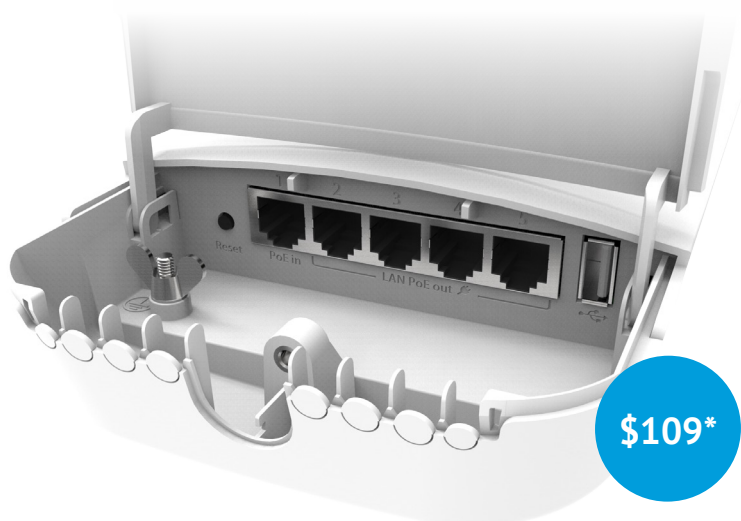


## OmniTIK 5 ac

We are glad to introduce a significant upgrade to our popular OmniTIK 5GHz access points!

The OmniTIK 5 ac features five Gigabit Ethernet ports and support for 802.11ac. It's equipped with a powerful 720MHz CPU, 128MB RAM, high power 1,300mW 802.11a/n/ac dual chain wireless (support for AC as well as backwards compatible with 802.11a/n standards) and comes with a new design weatherproof outdoor enclosure, two integrated 7.5dBi 5GHz omni antennas, a power supply, a PoE injector and a mounting kit.

The OmniTIK 5 PoE ac includes all features listed above and additionally supports passive or standard 802.3at/af PoE input/output (12V-57V). Ethernet ports 2-5 can power other PoE capable devices with the same voltage as applied to the unit. Less power adapters and cables to worry about! It can power 48V devices (like IP cameras), if 48V input or 802.3at/af switch is used.



\*PoE version price is \$129

## Wireless specifications

Rate	Tx	Rx
6MBit/s	31	-96
54MBit/s	27	-81
MCS0	30	-96
MCS7	27	-77
MCS9	22	-72

[View online](#)



## CCR1009 upgrades

Starting at \$425 MSRP!

The new updated revision of CCR1009 is here. We attempted to combine all the customer feedback and best practice in CCR device manufacturing that we learned over the last three years, since the first CCR1009 devices were launched.

### Important changes

**No switch-chip** - the device now features only fully independent Gigabit Ethernet ports each with a direct connection to the CPU, allowing to overcome previously shared 1Gbit limitation from switch-chip ports and utilize full potential of CPU processing power on those ports.

**Combo-port** - a single 1Gbit software interface that has two hardware interfaces - an SFP cage and a Gigabit Ethernet port, allowing you to use any type of connection available to you. It is also possible to switch between both physical interfaces in RouterOS. In an event of disconnect the combo-port provides hardware fail-over feature.

**100Mbps SFP support** - this is our first device that supports 100BASE-LX/100BASE-SX/100BASE-BX fiber modules, as well as standard 1.25G SFP modules.

**More throughput** - because the ports are now directly connected to the CPU, the new CCR1009 models can achieve even higher throughput.

#### Previous version

CCR1009-8G-1S+PC	6Gbps
CCR1009-8G-1S-1S+PC	16Gbps
CCR1009-8G-1S-1S+	16Gbps

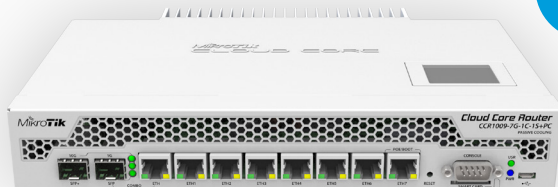


#### New version

CCR1009-7G-1C-PC	8Gbps
CCR1009-7G-1C-1S+PC	18Gbps
CCR1009-7G-1C-1S+	18Gbps

Passive cooling with SFP+

\$495

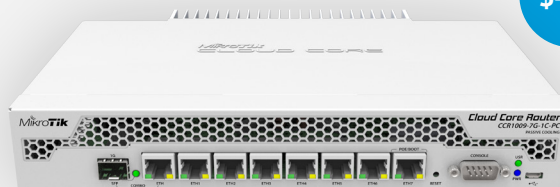


CCR1009-7G-1C-1S+PC



Passive cooling

\$425



CCR1009-7G-1C-PC



Rackmount with SFP+

\$495



CCR1009-7G-1C-1S+





## RouterOS 6.38

Starting from RouterOS v6.38 you can apply basic configuration using the **TR-069 protocol** from an ACS server. It supports various configuration parameters, such as set/get/monitor configuration, upgrade firmware, reboot, factory-reset, execute scripts remotely and more.

This allows quick and easy mass configuration and management of mixed vendor devices.

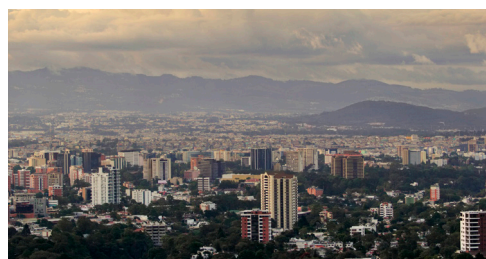
The TR-069 client comes as a separate RouterOS package, available in the “all packages” ZIP archive on our [download page](#). It is currently only available in the command line interface under “tr069-client” menu. For more information please see TR069-client [documentation page](#).

We also have introduced Internet **Key Exchange v2 (IKEv2)** support for IPsec, **STP functionality** for CRS and small Atheros switches to avoid loops in your network and support for the Link Layer Discovery Protocol - a vendor independant protocol for various discovery processes and monitoring.

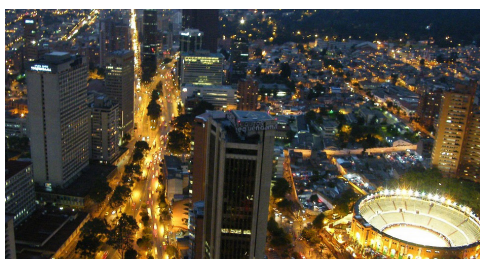
## MUM schedule in 2017



MUM EUROPE - Milan, Italy  
March 30 - 31



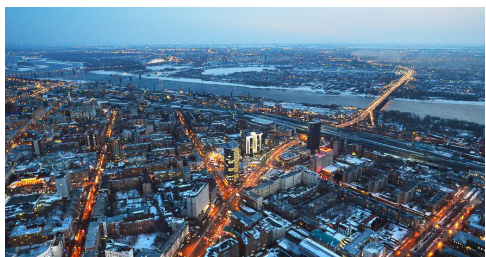
Guatemala City, Guatemala  
January 20



Bogota, Colombia  
January 23



Khabarovsk, Russia  
March 14



Novosibirsk, Russia  
March 17



Ho Chi Minh City, Vietnam  
April 21



Phnom Penh, Cambodia  
April 24