MikroTik

NEWSLETTER, ISSUE #79 - DECEMBER 2017

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MUM EUROPE 2018, Berlin, Germany, April 05 - 06

MUM

We are glad to announce that MikroTik User Meeting Europe 2018 will take place in Berlin, Germany on April 5-6, Thursday - Friday.

- Largest WISP conference in Europe.

- More than 2,000 participants from 80+ countries expected.

- More than 60 exhibitors.

- MikroTik roadmap for year 2018.

- New revolutionary product announcements.

- Two days of workshops and presentations.

- FREE hardware gifts from MikroTik and exhibitors.

- Raffle at the end of MUM with great prizes.

- Meet n' greet on April 4 from 6PM with FREE beer, wine and soft drinks.

THE VENUE

MUM will take place at Hotel MOA Berlin.

- Accommodation rooms from EUR 99, including breakfast and free Wi-Fi.

- Between airport and city center, close to world famous attractions such as the Brandenburg Gate, the Reichstag building and the Berlin Zoo.

- Enjoy great beer, food and shopping.

- Plenty of affordable flight options.

Hurry up and book your room now!

TRAINING

If you hold a valid MikroTik certificate and wish to become an official trainer, we are also announcing a Train the Trainer course in our RouterOS Training Center in Riga, Latvia, taking place April 9-11.

Register for the training here!

Register for the MUM now!

SXTsq 5 (High Power) and SXTsq 5 ac

from $49

Our new SXTsq compact outdoor wireless family has two new members. In addition to the recently announced SXTsq Lite5, we are adding SXTsq 5 and SXTsq 5 ac to the product range. They come in the same sleek outdoor enclosure, much more compact than our famous SXT, yet having an even better antenna. The SXTsq 5 has a slightly more powerful wireless chip, allowing for higher distance than SXTsq Lite5. The SXTsq 5 also has a level 4 RouterOS license, so that you can connect more than one wireless device to it.
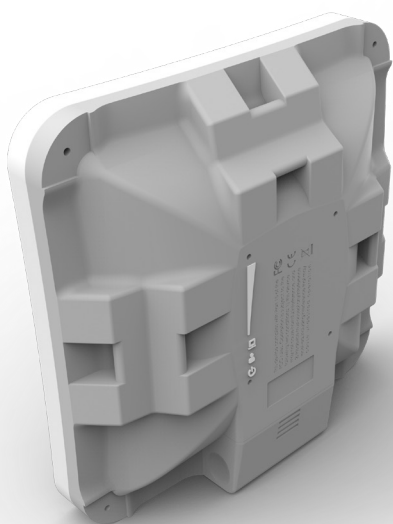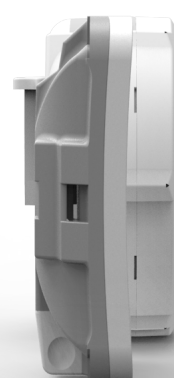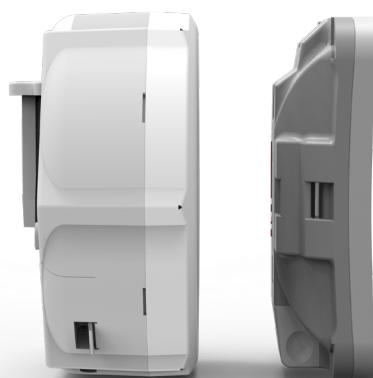
The SXTsq 5 ac is even more powerful, with it's four core ARM architecture CPU and four times more RAM. It supports 802.11ac wireless prototocol, allowing greater speed for your wireless link. To fully utilize all this power, the SXTsq 5 ac has a Gigabit Ethernet port.

Comparison to previous SXTs

24 V 0.38 A power adapter

Metal ring

PoE injector

SXTsq 5 ac

SXTsq 5

LHG 5 ac

The LHG 5 ac is a compact and light 5 GHz 802.11ac wireless device with an integrated dual polarization 24.5 dBi grid antenna at a revolutionary price. It is perfect for point to point links or for use as a CPE at longer distances and supports Nv2 TDMA protocol. The device includes one Gigabit Ethernet port to fully utilize speeds that 802.11ac protocol provides.

$89

The grid design ensures protection against wind, and the fact that the antenna element is built into the wireless unit means no loss on cables.

24 V 0.38 A Power adapter

Gigabit PoE injector

2x metal rings

K-LHG kit

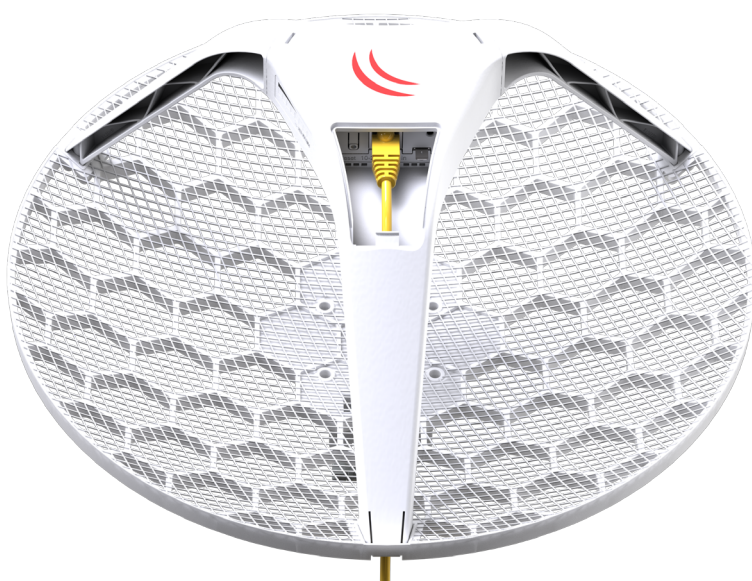View online

LHG 2 - 18 dBi integrated antenna for 2.4 GHz

The Light Head Grid (LHG) is a compact and light 2.4 GHz 802.11b/g/n wireless device with an integrated dual polarization 18 dBi grid antenna at a revolutionary price. It is perfect for point to point links or for use as a CPE at longer distances and supports Nv2 TDMA protocol.

The grid design ensures protection against wind, and the fact that the antenna element is built into the wireless unit means no loss on cables.

$58

The device comes disassembled for compact shipping, but is very easy to assemble and includes a simple to use grounding attachment point. The package also contains a small adapter for tilting the antenna five degrees from the original position.

24 V 0.38 A Power adapter

PoE injector

2x metal rings

K-LHG kit

View online

4

RBM33G with two miniPCI-e slots

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 same mounting holes as it's predecessors (RB433 and RB953 series).

The RBM33G features a new MediaTek two core CPU running at
880 MHz and 256 MB of DDR3 RAM and three Gigabit Ethernet ports. It is specially designed for setups that requires two 3G/LTE modems. You can use the device with e.g.:

- two miniPCIe 3G/LTE modems (two SIM slots provided);

- two miniPCIe wireless cards

- one miniPCIe and one USB 3G/LTE modem leaving other miniPCIe slot for 802.11 wireless card (consult product Quick Guide for details).

The included USB 2.0/3.0 port can be used either for 3G/LTE modem or an external hard drive (consult product Quick Guide for details). For expanding storage, microSD and a PCIe M.2 slots are provided.

The RBM33G comes fitted with a RS232 serial port for console access. The device can be powered by PoE through it's gigabit ethernet connector or through the DC power jack.

View online

$49

IPsec encryption performance

Now it is easier to choose a RouterBOARD device specifically for using in IPsec applications, where higher throughput is required and IPsec hardware acceleration is beneficial.

IPsec throughput test results are added to every device with hardware accelerated encryption engine - hEX, RB850Gx2, RB1100AHx2, RB1100AHx4 and all Cloud Core Router series.

Single tunnel test represents aggregated throughput of one UDP stream in each direction utilizing a single IPsec policy. 256 tunnel test case multiplies the single tunnel test to represent devices scalability in multiple IPsec peer configurations.

All tests are done with Xena Networks specialized test equipment with packet loss tolerance of 0.1 percent.

Test results are reached using specific hardware and software configuration which are optimized for maximum throughput over IPsec. Different configurations most likely will result in different throughput.

Ethernet routers

New bridge

The new bridge implementation in RouterOS v6.41 is introduced to extend Layer2 forwarding functionality and overcome compatibility issues from past.

- It provides VLAN-aware learning and forwarding with more user-friendly configuration.

- It supports hardware offloading to handle switching as well, the use of switch-chip (hw-offload) is automatically turned on based on appropriate conditions.

- It's Spanning Tree Protocol operation comply with standards and is compatible with other vendor implementations.

- MSTP support is added and works with hw-offloading on CRS3xx series switches.

- It has IGMP Snooping for controlled multicast forwarding which works with hw-offloading on CRS switches.

More information

Upcoming MUM events 2018

Chengdu, China, January 13

Manila, Philippines, January 16, 2018
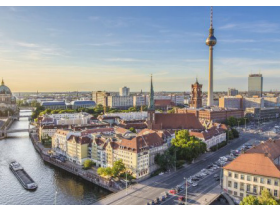

Yaounde, Cameroon, January 26

Nairobi, Kenya, January 30

Ekaterinburg, Russia, March 13

St. Petersburg, Russia, March 16

Berlin, Germany, April 05 - 06