

MikroTik user meeting

MikroTik

What do we do?

We create networks

Our products include

RouterOS
built and advanced for more than 20 years

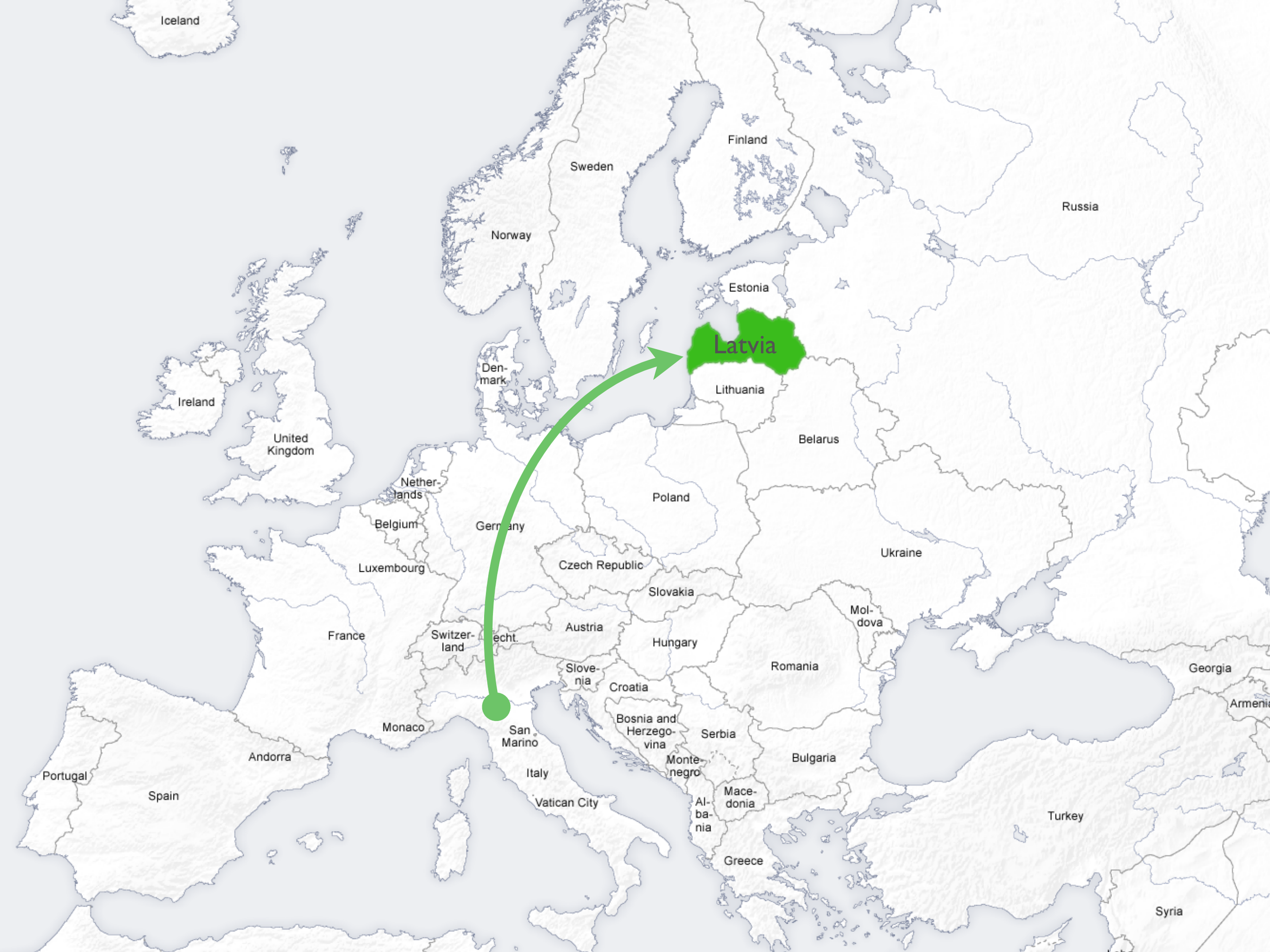
RouterBOARD
Wireless outdoor, indoor, Ethernet routers

CRS
Switches with RouterOS

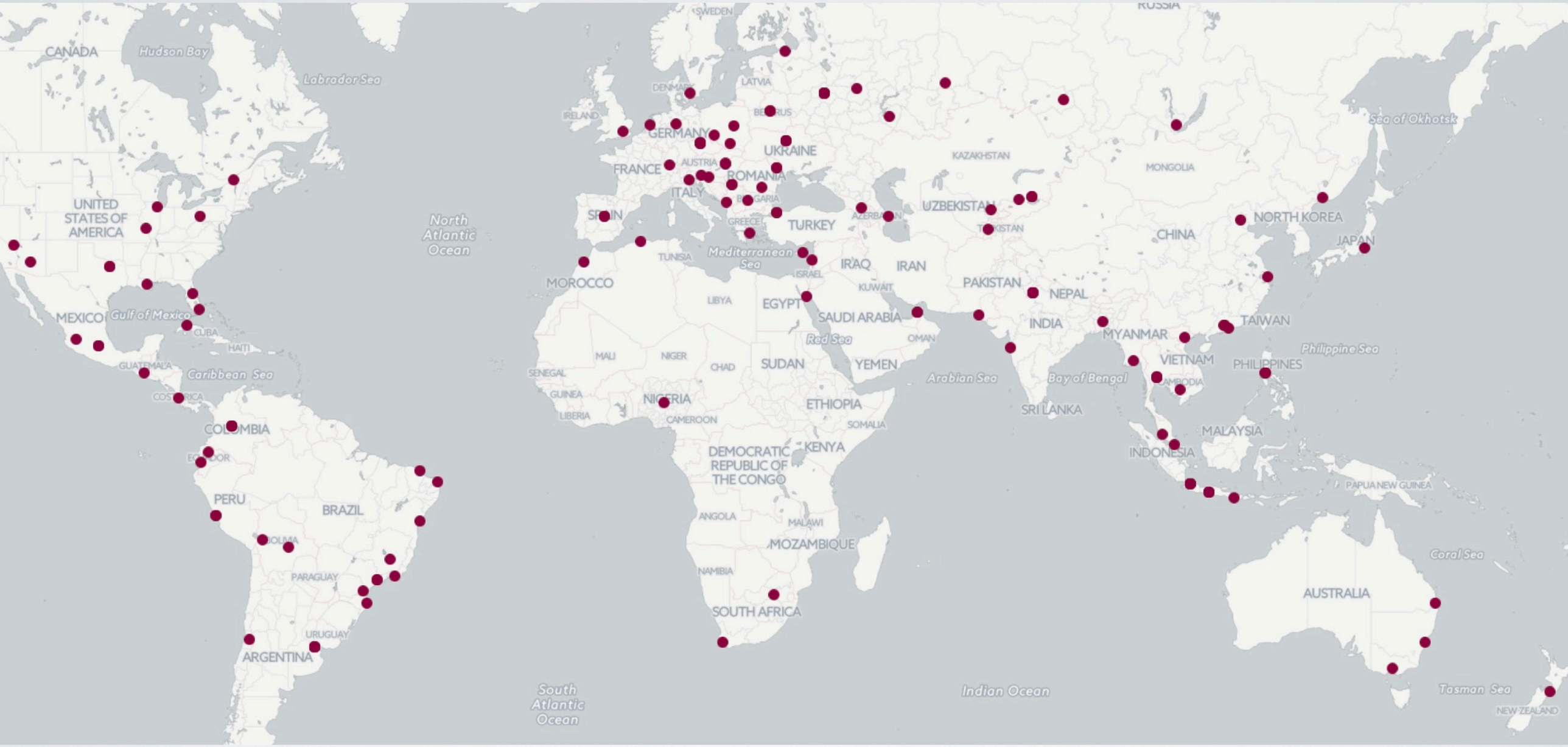
CSS
Switches with SwOS

MikroTik

- Established 1996
- RouterOS created in 1997
- RouterBOARD created in 2002
- First MUM event in Prague 2006
- MUM in Indonesia had 2500 people
- 34 events in 2016


Iceland
Sweden
Finland
Norway
Russia
Estonia
Latvia
Lithuania
Den-
mark
Ireland
United
Kingdom
Belarus
Nether-
lands
Poland
Belgium
Germany
Luxembourg
Czech Republic
Ukraine
Slovakia
Mol-
dova
France
Switzer-
land
Austria
Hungary
Slove-
nia
Romania
Georgia
Croatia
Armenia
Monaco
San
Marino
Bosnia and
Herzego-
vina
Serbia
Andorra
Monte-
negro
Bulgaria
Portugal
Italy
Spain
Vatican City
Mace-
donia
Al-
ba-
nia
Turkey
Greece
Syria

no matter where you are


CANADA
Hudson Bay
Labrador Sea
UNITED STATES OF AMERICA
MEXICO
Gulf of Mexico
CUBA
HAITI
Caribbean Sea
COSTA RICA
COLOMBIA
ECUADOR
PERU
BRAZIL
BOLIVIA
PARAGUAY
URUGUAY
ARGENTINA
North Atlantic Ocean
South Atlantic Ocean
SWEDEN
DENMARK
IRELAND
LATVIA
BELARUS
GERMANY
FRANCE
AUSTRIA
ROMANIA
ITALY
BULGARIA
GREECE
SPAIN
TURKEY
UKRAINE
TUNISIA
Mediterranean Sea
MOROCCO
LIBYA
EGYPT
ISRAEL
IRAQ
KUWAIT
IRAN
SAUDI ARABIA
Red Sea
OMAN
YEMEN
SUDAN
SENEGAL
GUINEA
LIBERIA
NIGERIA
CAMEROON
ETHIOPIA
SOMALIA
KENYA
DEMOCRATIC REPUBLIC OF THE CONGO
ANGOLA
MALAWI
MOZAMBIQUE
NAMIBIA
SOUTH AFRICA
Arabian Sea
Indian Ocean
RUSSIA
KAZAKHSTAN
MONGOLIA
UZBEKISTAN
AZERBAIJAN
TURKMENISTAN
CHINA
NORTH KOREA
JAPAN
Sea of Okhotsk
PAKISTAN
NEPAL
INDIA
SRI LANKA
Bay of Bengal
MYANMAR
TAIWAN
Philippine Sea
VIETNAM
CAMBODIA
MALAYSIA
INDONESIA
PAPUA NEW GUINEA
AUSTRALIA
Coral Sea
Tasman Sea
NEW ZEALAND

Record number of MikroTik staff available!

STAFF

Registration	WiFi	Ethernet	Sales
Martins	Uldis	Janis M.	Janis J.
Kaspars	Antons	Emils	Edmunds
Normunds	Arturs	Janis B.	Karlis

John Tully (CEO)

Arnis Riekstiņš (CTO)

shall we?

Just kidding!

Happy April fools! 🐈

cAP lite

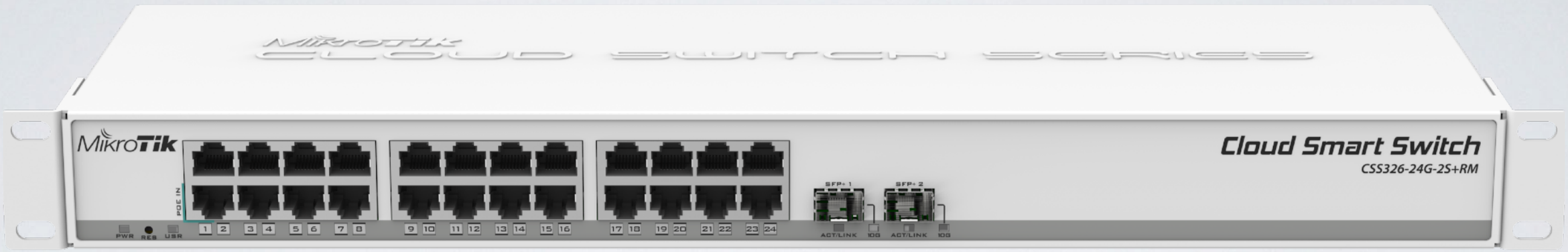


- If you haven't, open your bag
- Small and light 2GHz AP
- Case can be changed
- Print your own cases
- Perfect for hotel, public areas and extending networks in your house









CSS326-24G-2S+RM

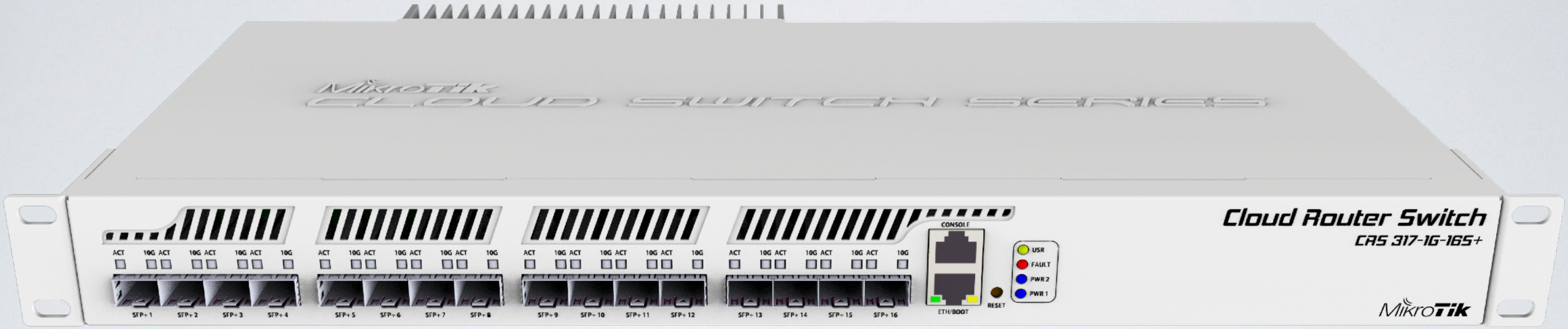
Multiport SwOS switch

DynaDish 6 and SXT 6

- Great for use in less used 6GHz spectrum
- Same familiar designs







CRS317-1G-16S+

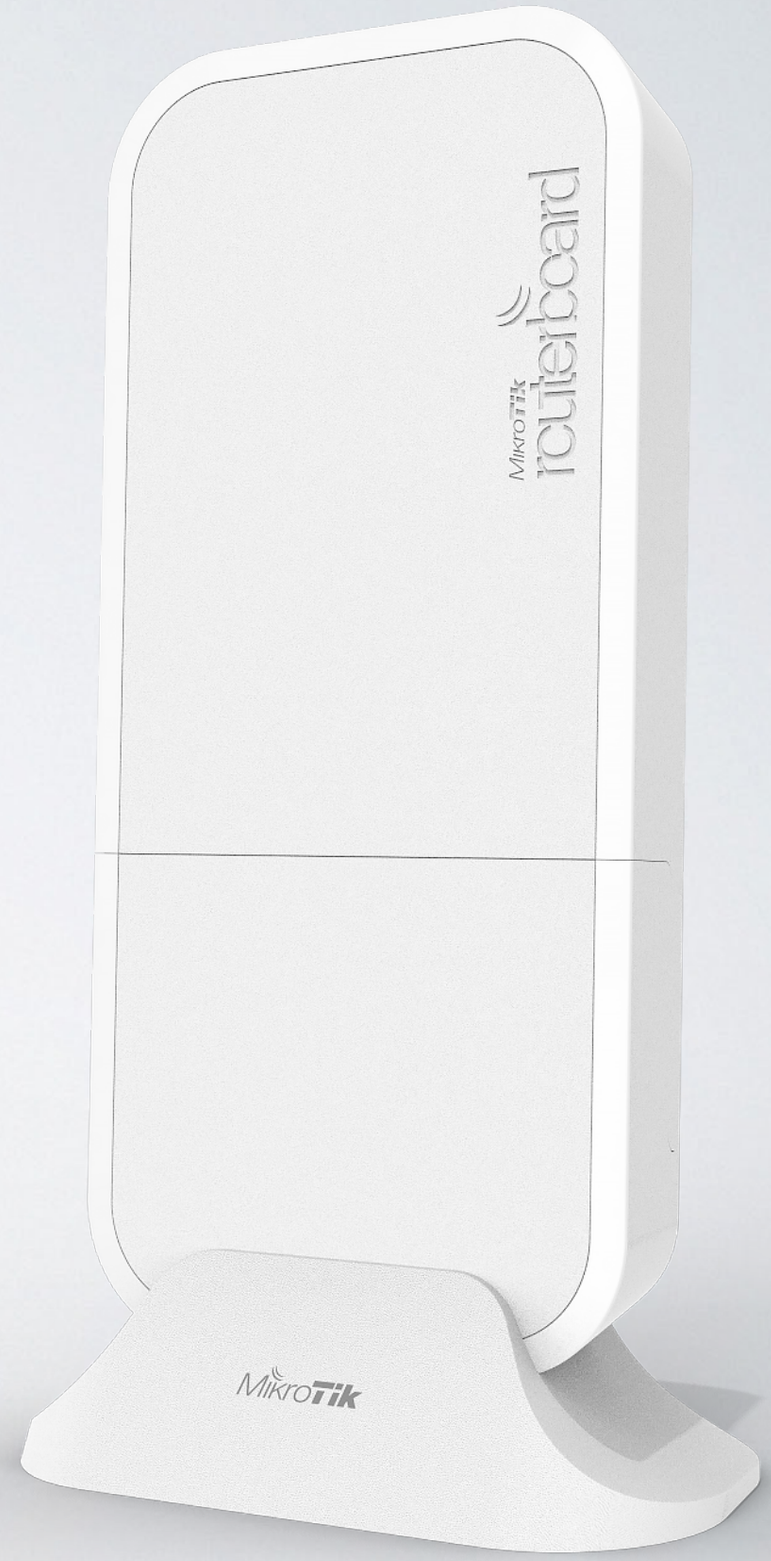
high performance SFP+ switch

CRS317-1G-16S+

- 16 SFP+ ports
- Next generation switching chip
- Wire speed for all 10GbE ports
- Hardware-based Spanning Tree Protocol
- Dual boot SwOS or RouterOS

wAP LTE kit

- Wireless AP for LTE
- EU version supports LTE bands 1,2,3,7,8,20,38,40
- 2G, 3G, LTE supported
- Optional external antennas
- Comes with a stand mount



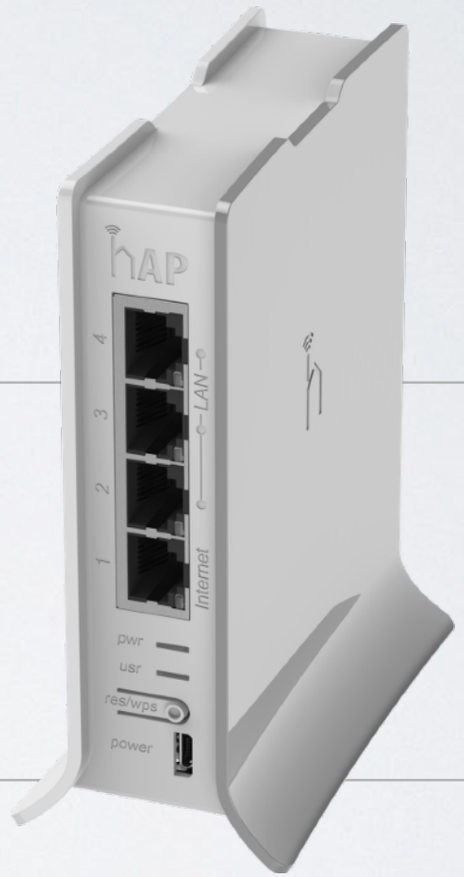
hAP mini

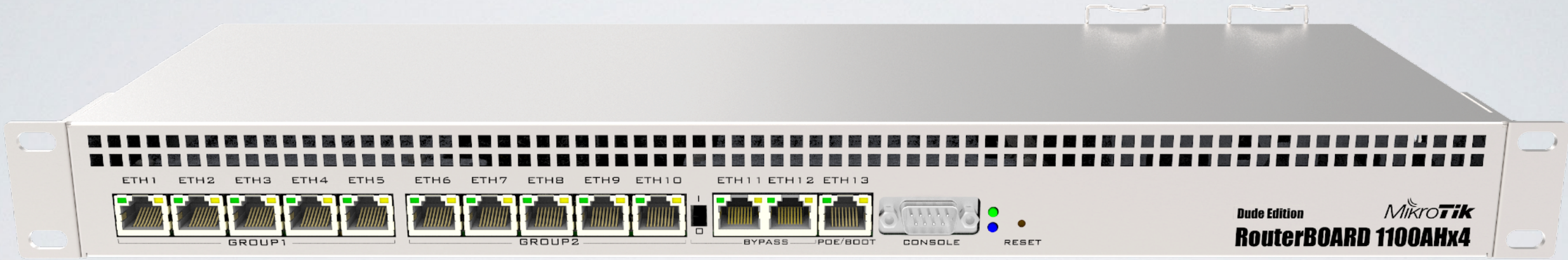
- Tiny 2GHz AP with three ports
- Upright design in new colours
- Only 8cm tall
- Two LAN ports, one WAN
- Configure differently if needed




MikroTik
3
2
Internet
USR
PWR
5V

8cm


hAP
4
3
2
1
LAN
Internet
pwr
usr
res/wps
power

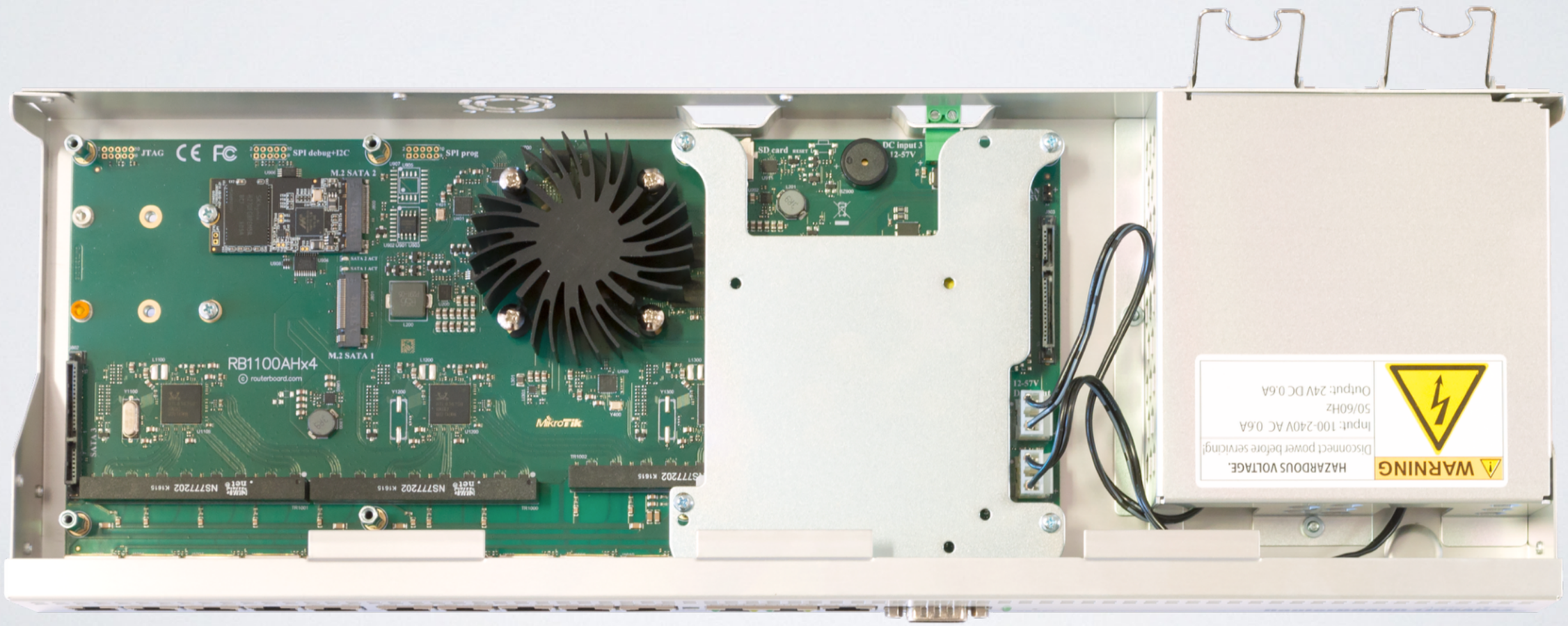


RB1100AHx4

The timeless classic upgraded
with a new quad core CPU and more

Annapurna Alpine AL21400 CPU with
four Cortex A15 cores clocked at 1.4 GHz

- Two SATA3 ports
- Two M.2 ports
- 60GB SSD included
- Accelerated IPsec
- -48V DC telecom power
- Dual PSU





- 5.5 million PPS
- 7.5Gbps
- IPsec up to 2.2Gbps with AES128
- Overclock up to 2GHz

Two editions

- **RB1100AHx4**
- **RB1100AHx4 Dude edition**
  includes 2x M2 and 2x SATA3 ports

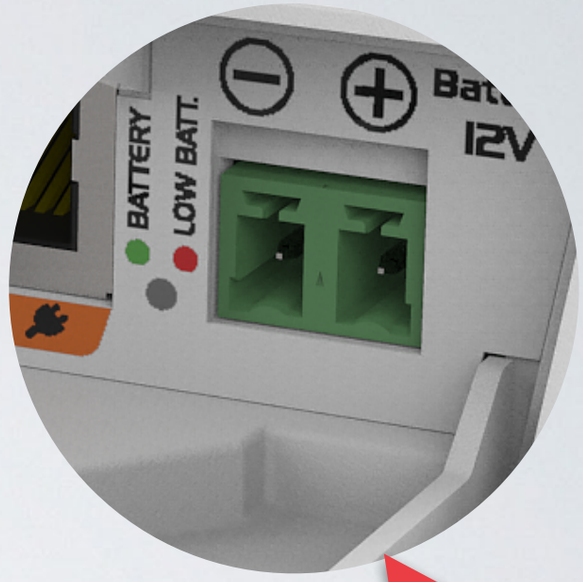
PowerBox Pro

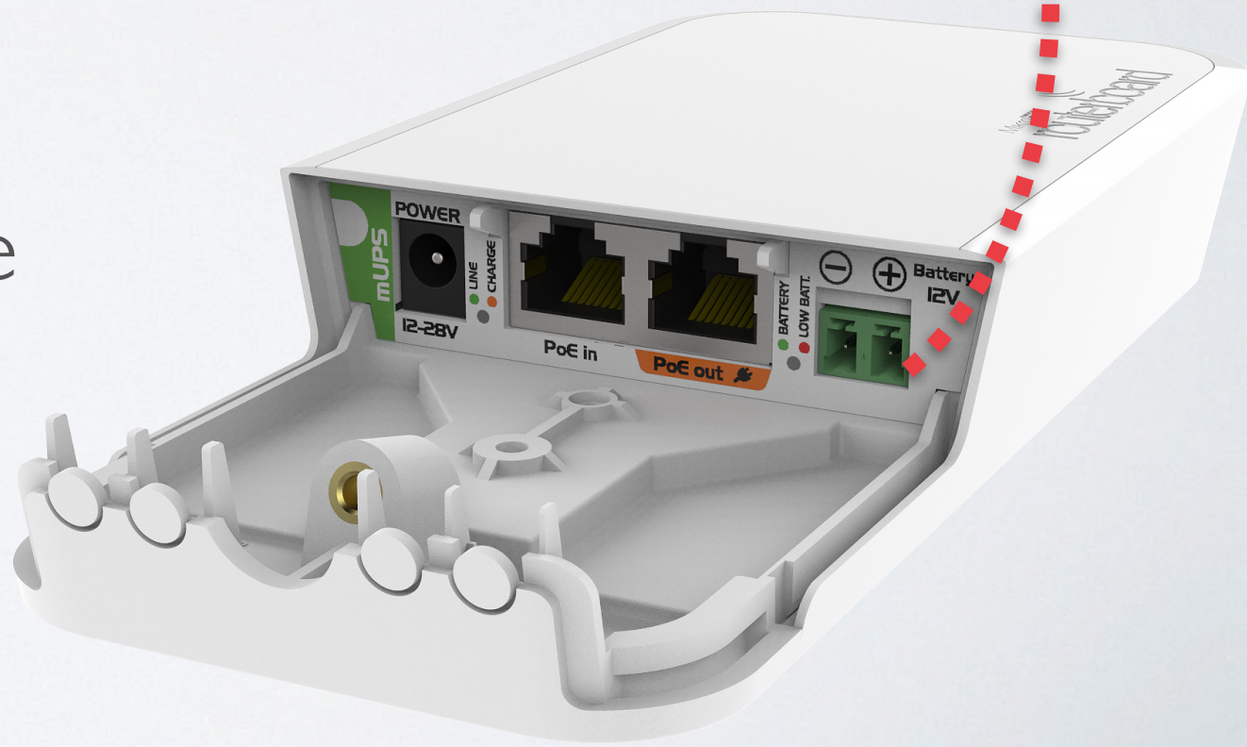
- Gigabit ethernet ports
- PoE output for your CPEs
- Same as hEX PoE
- Supports 802.3af/at
- SFP for fiber to tower
- Improved design



mUPS

- Just like a smart PoE injector
- Battery connector for 12V batteries (external)
- Battery kicks in when power is lost
- Step up converter keeps device going even if Voltage differs
- Can charge and monitor





LtAP mini

- 2GHz AP in a rugged case
- miniPCIe for LTE
- Built in GPS
- Serial port for other devices
- Perfect for cars or outdoor mobile applications




MIKROTIK
M
R

LtAP

- 2x miniPCIe
- Built in 2.4GHz AP
- MMIPS Mediatek CPU 880MHz
- 2x MMCX connectors
- Built in GPS

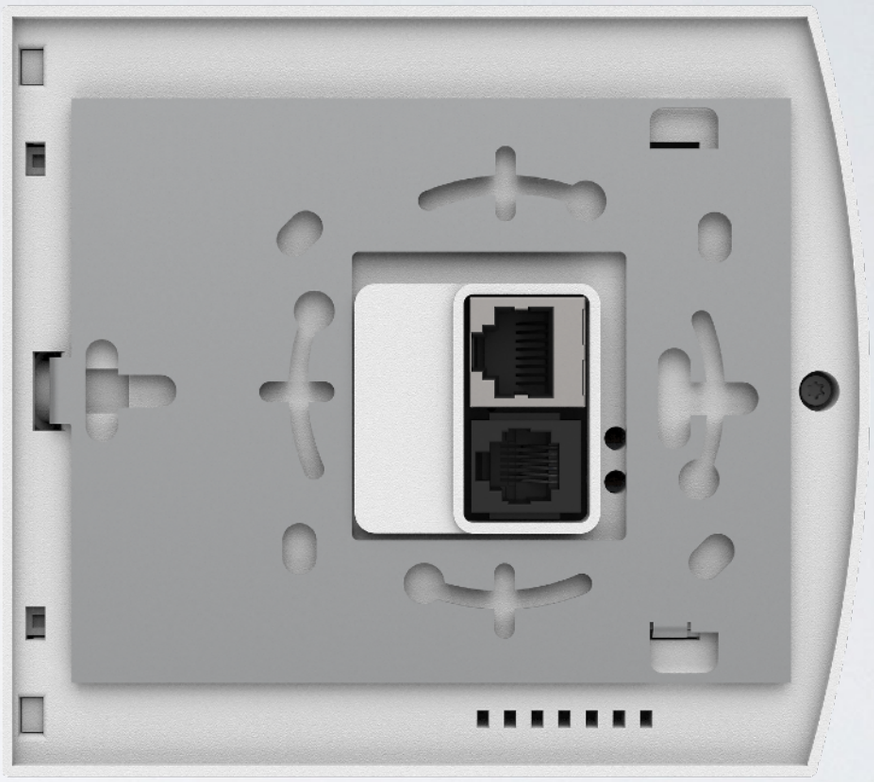



routerboard

wsAP ac lite

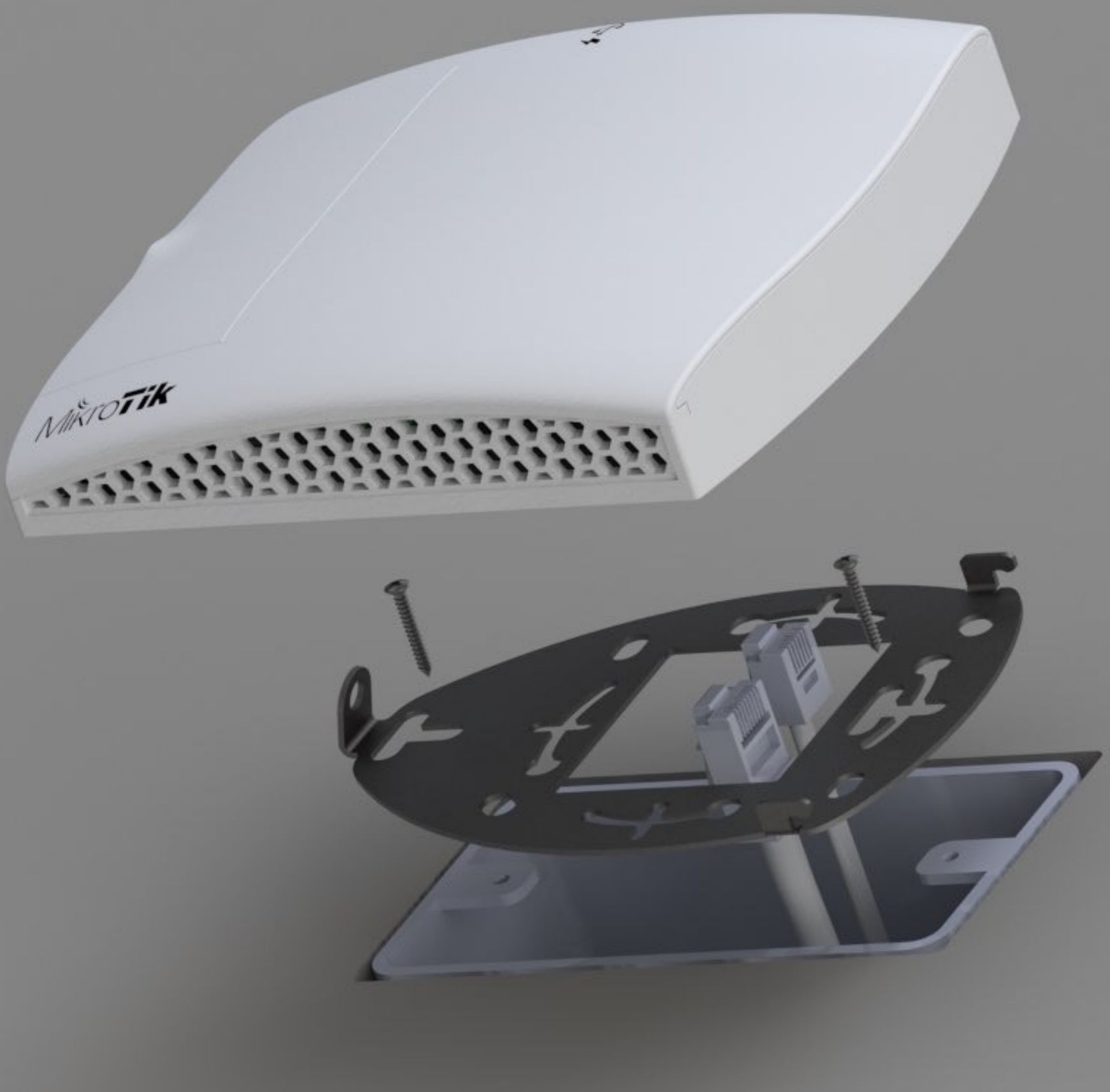
- Mount into standard EU or US electrical sockets
- Dual band ac
- Phone jack passthrough
- Two LAN ports
- USB for charging phones





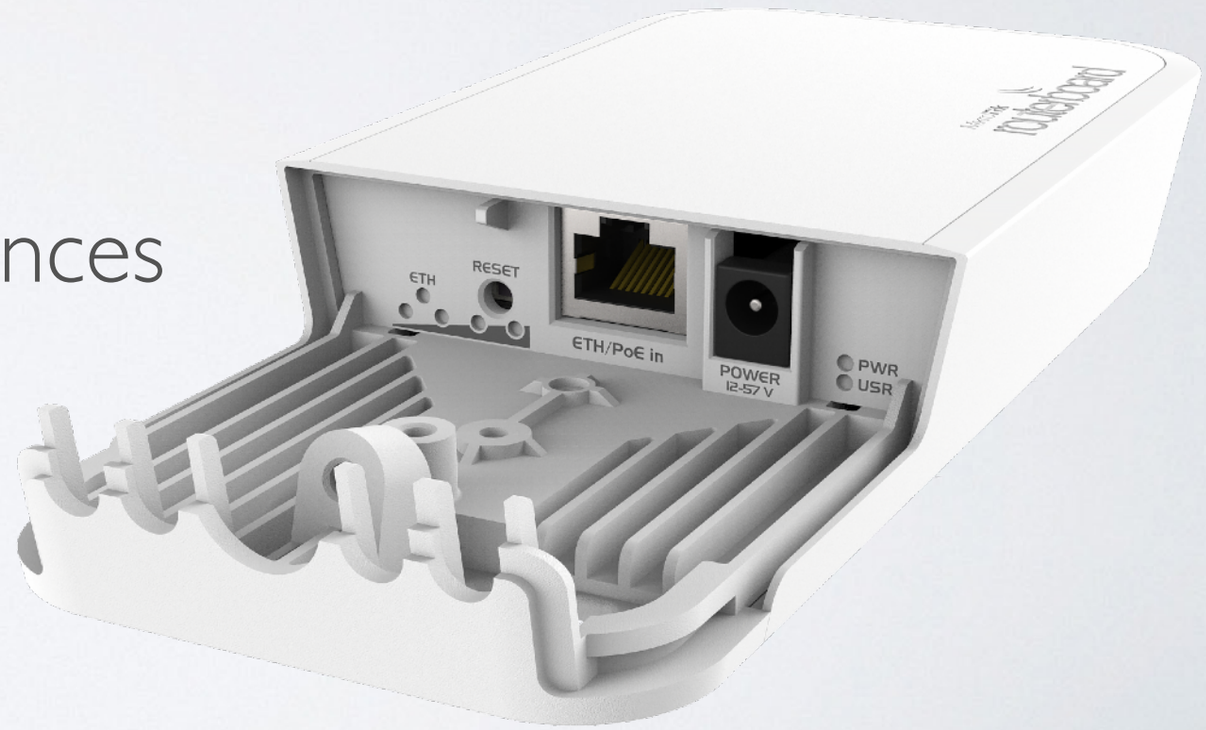



MikroTik


MikroTik

wAP 60G

- 1Gbit full duplex (wire speed)
- "Wireless wire" kit preconfigured
- Works in 60GHz spectrum
- Quad-core ARM CPU
- Targeted for up to 100m distances
- Q2/Q3



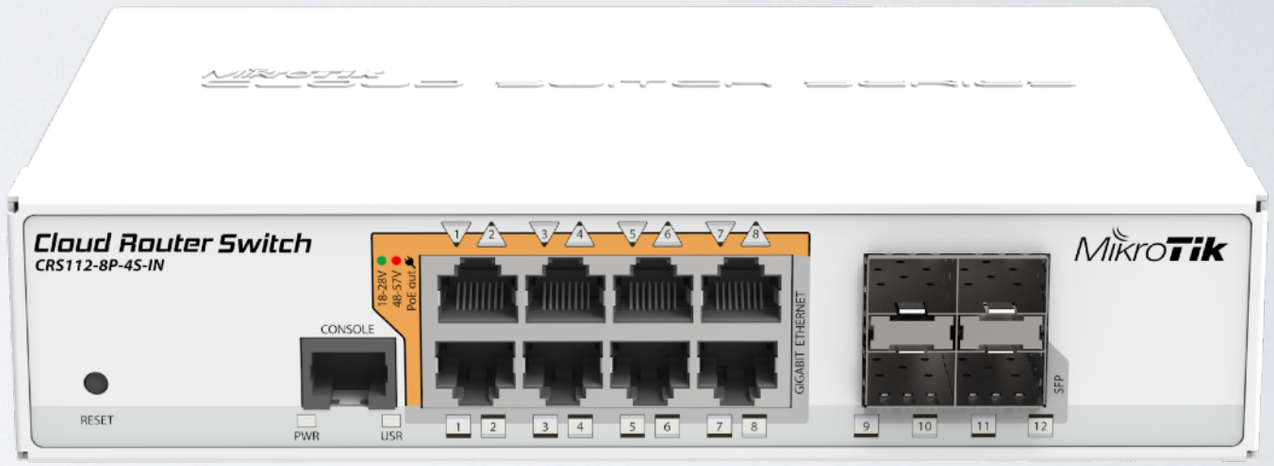
LHG 60G

- 1Gbit full duplex (wire speed)
- Works in 60GHz spectrum
- Familiar LHG design
- Quad-core ARM CPU
- Low cost and low weight
- Longer distance than100m
- Q2/Q3

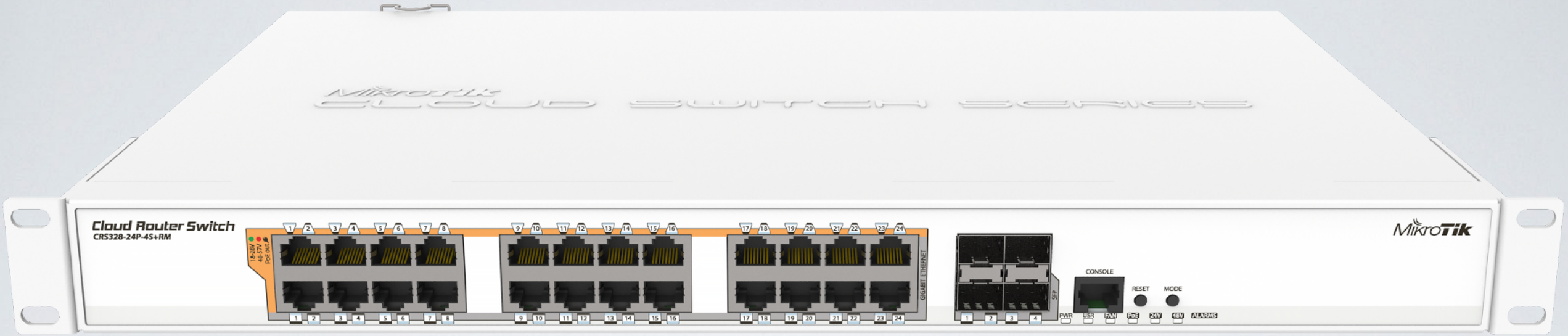


CRS112-8P-4S

- PoE out 802.3af/at
- Eight gigabit ports
- Separate PSU for passive or 802.3af/at PoE out
- Low voltage PSU included
- Per port auto detection of PoE standard
- Four SFP ports







CRS328-24P-4S+RM

PoE out switch

CRS328-24P-4S+RM

- Dual boot SwOS or RouterOS
- 24 ports with PoE out function
- Supports 802.3af/at output
- Per port auto detection of PoE standard
- Four SFP+ ports for 10GbE
- One 120/220V IEC connector

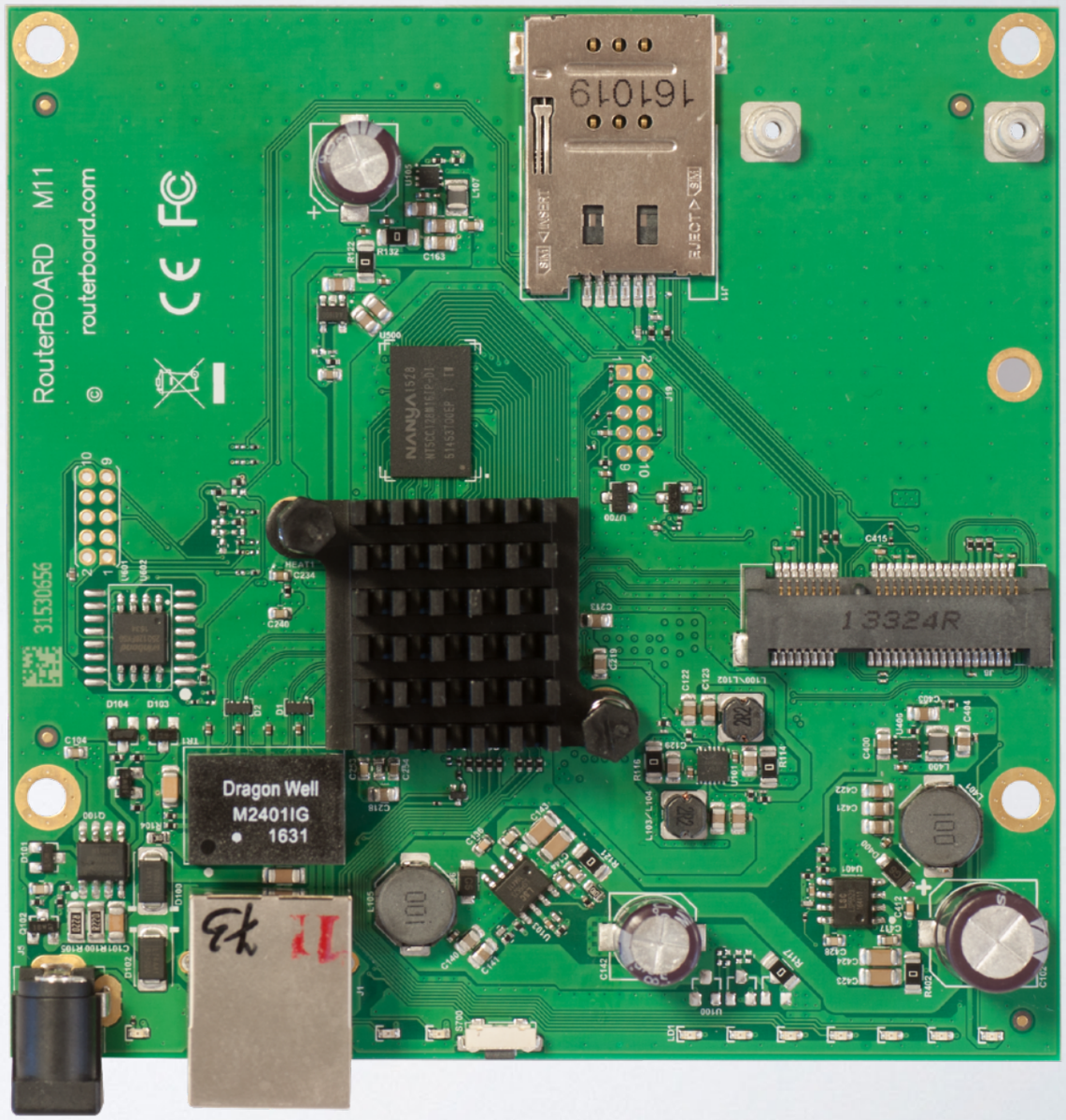
Woobm

- Wireless out of band management (Woobm)
- Plug into a device to have a new management AP
- Can work as client to use in CCR rackmounts



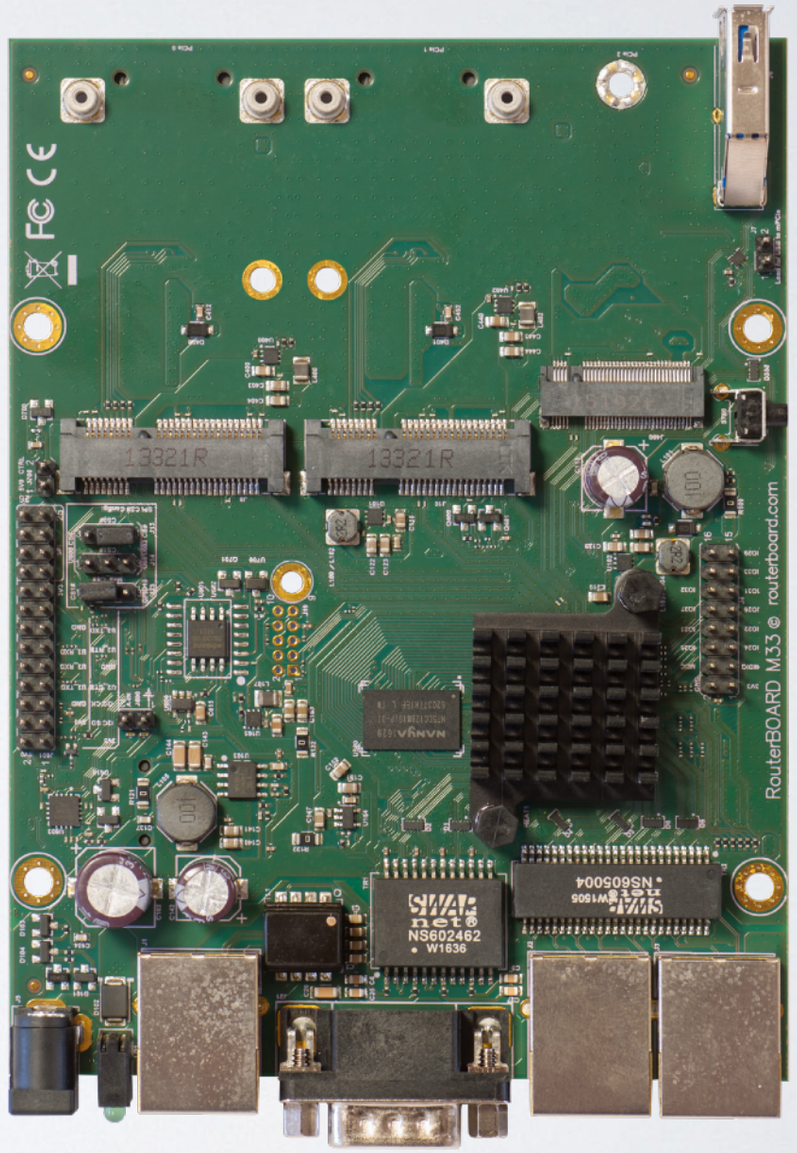
M11

- Four core 880MHz CPU
- 1 miniPCIe slot
- 1 Gigabit ethernet



M33

- Four core 880MHz CPU
- 3 Gigabit ethernet
- 2 miniPCIe slots
- 1 M.2 slot
- USB 3.0 and Serial port



MikroTik