

The logo for MikroTik, featuring the word "Mikro" in a white, italicized sans-serif font with a stylized white arc above the 'i', and "Tik" in a white, bold, italicized sans-serif font. The background is a blurred office interior with a red-to-purple gradient overlay.

MikroTik

BULGARIA
JUNE 2019



WHAT DO WE DO?



WE MAKE SOFTWARE AND HARDWARE

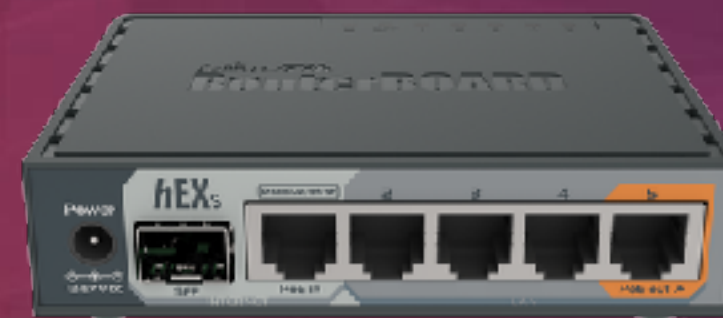
MORE THAN 200 PRODUCTS



HOME



OUTDOOR



SOHO



CARRIER



LATVIA



- Established in 1996
- RouterOS created in 1997
- RouterBOARD created in 2002

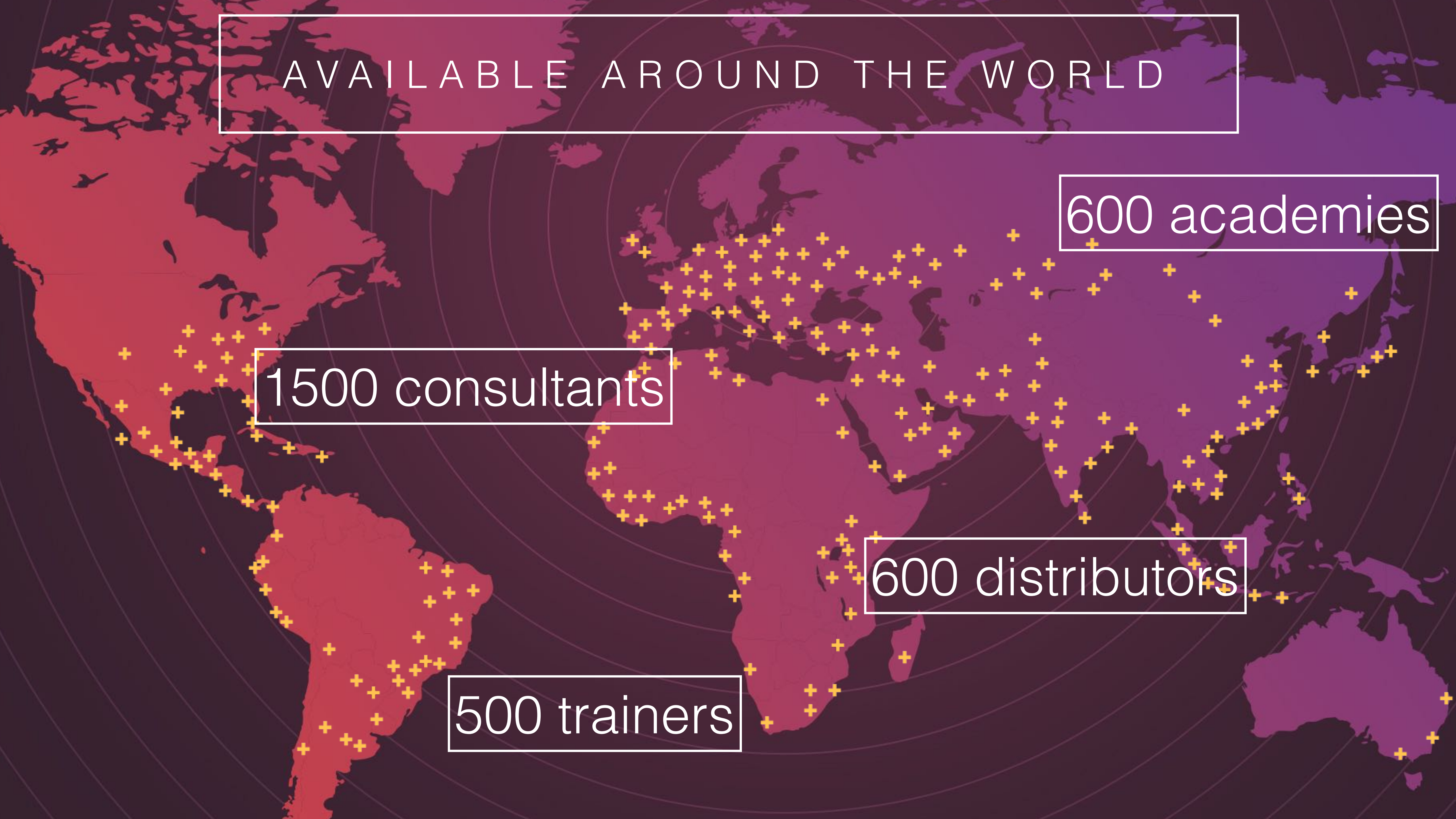
AVAILABLE AROUND THE WORLD

600 academies

1500 consultants

600 distributors

500 trainers



MIKROTIK USER MEETING

A world map with a dark purple and red color scheme. Numerous orange hexagonal markers with white outlines are scattered across the map, representing the locations of Mikrotik User Meetings. The markers are most densely clustered in North America, Europe, and Asia, with fewer markers in South America, Africa, and Australia.

80+ countries

200 events

3500+
participants

MUM Bulgaria 2019

- 3 staff members from MikroTik
- Arrange a business meeting at the registration desk
- Agenda for today: <https://www.mt.lv/agenda>
- Lunch with coupon
- Beer, drinks and lottery after the event
- WiFi: MUM Bulgaria, password “mikrotik”

Special thanks!



MikroTikBG.SHOP
routing the world

MikroTikBG.SHOP

LIVESTREAM

youtube.com/mikrotik



RECENT PRODUCTS

60 GHz device family

wAP 60Gx3 AP



Wireless Wire Dish



SXTsq Lite60



LHG Lite60



CRS309-1G-8S+PC



- 8x SFP+ ports
- 1x Gigabit Ethernet
- Passive cooling case
- Redundant power using PoE

PWR Line AP



- Small AP that directly plugs into a socket
- Makes 100 Mbps links with others like it
- Build WiFi network without special cabling

PWR Line AP

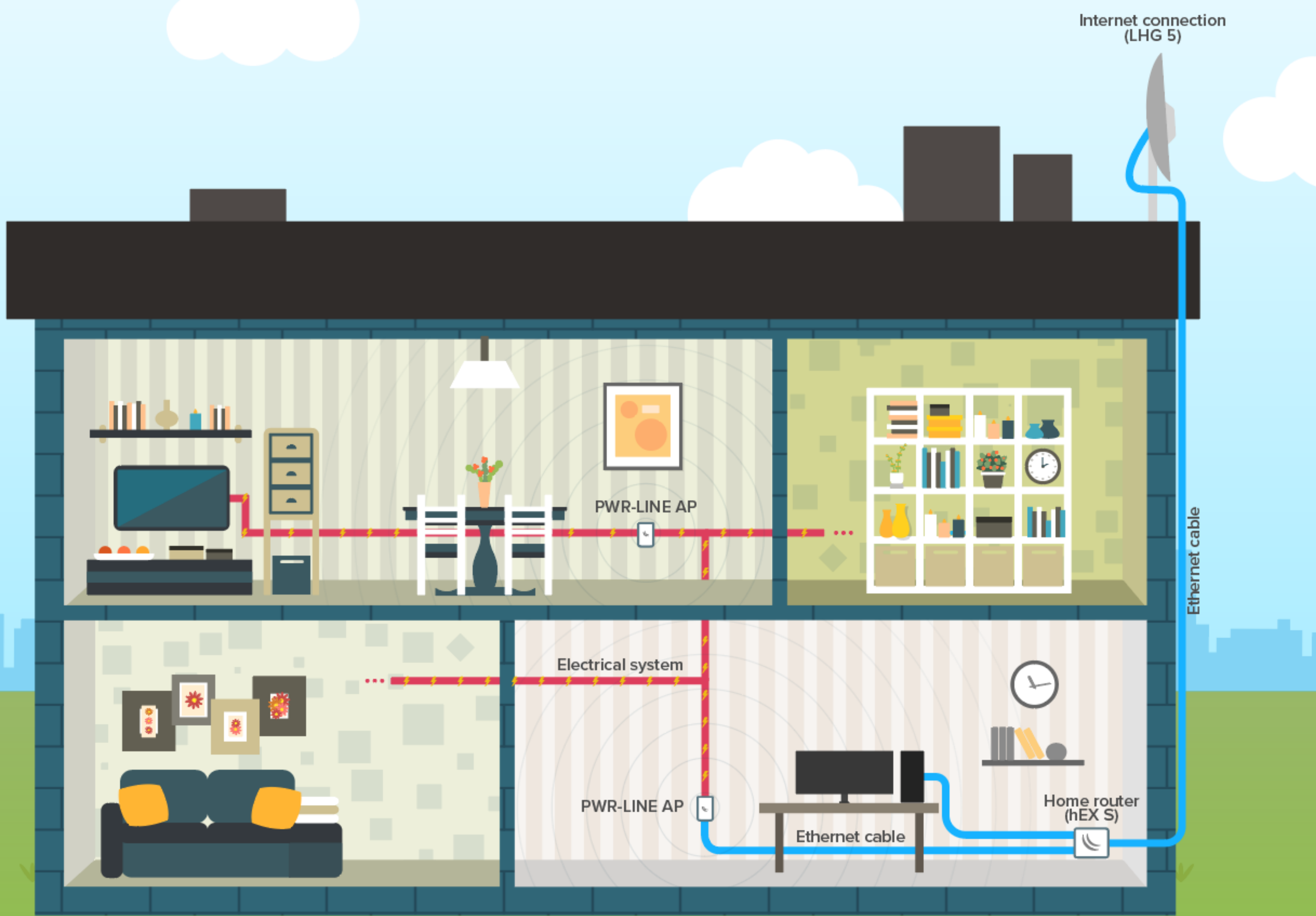


- Automatically pairs with new devices
- Uses HomePlug AV standard
- Runs standard RouterOS

PWR Line



- Adds PowerLine function via microUSB
- Supported by the new hAP lite & mini and mAP family devices
- Connect to PWR Line AP or other routers over the electrical line



RouterBOARD 4011



RouterBOARD 4011

- 2 chains for 2 GHz, 802.11 b/g/n
- 4 chains for 5 GHz, 802.11 a/n/ac
- 160 MHz channel width
- 1733 Mbps + 300 Mbps data rates



RouterBOARD 4011

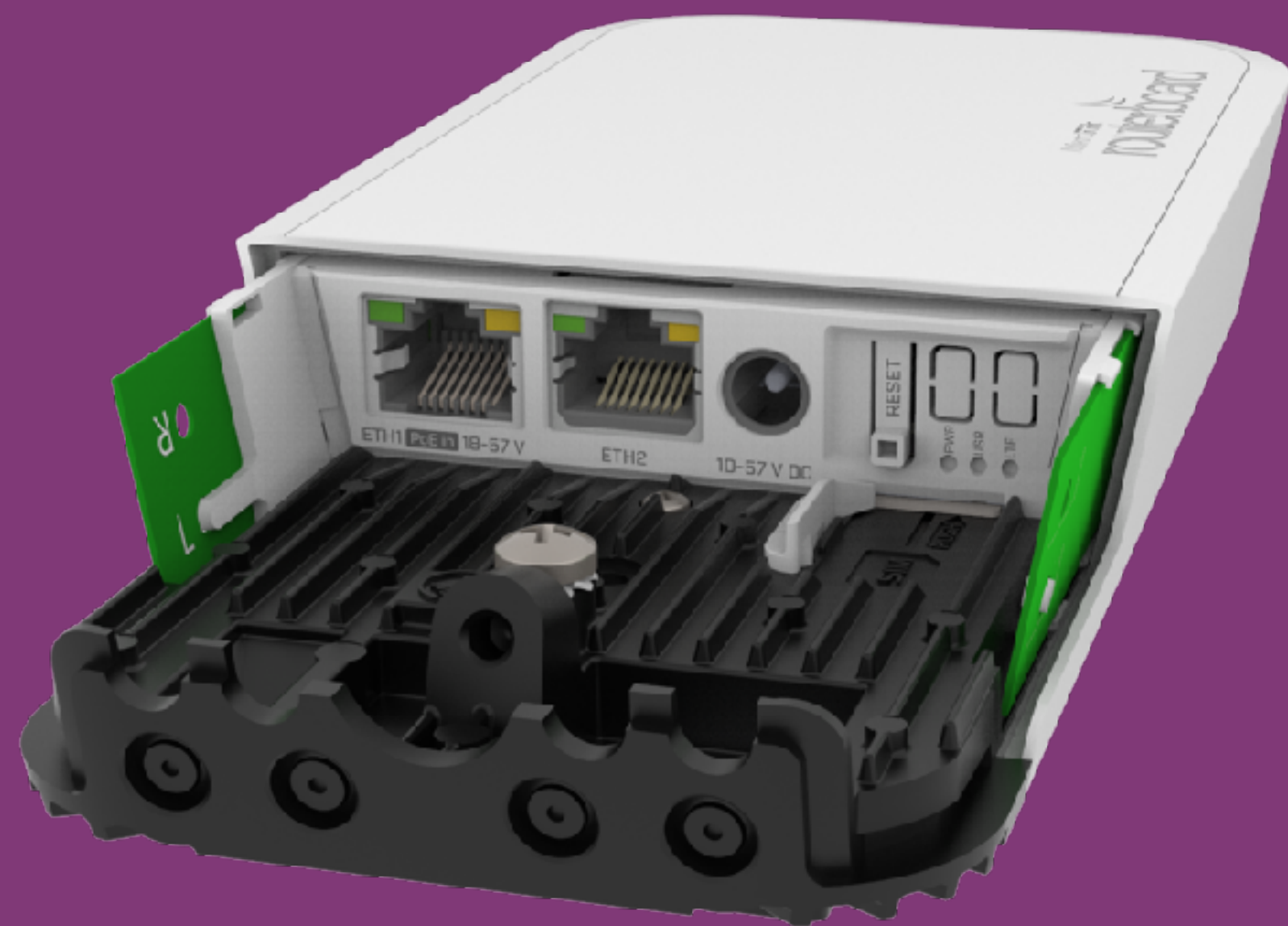
- 4 Core Cortex A15 CPU
- 10 Gigabit SFP+
- IPsec hardware encryption
- 1 GB RAM
- PoE out



RouterBOARD 4011



wAP ac kit



- Dual band and dual chain (2.4/5 GHz) wireless
- Two Gigabit Ethernet interfaces
- miniPCIe slot for LTE card
- 4 core CPU
- Three models available (LTE, 4G, without miniPCIe card)

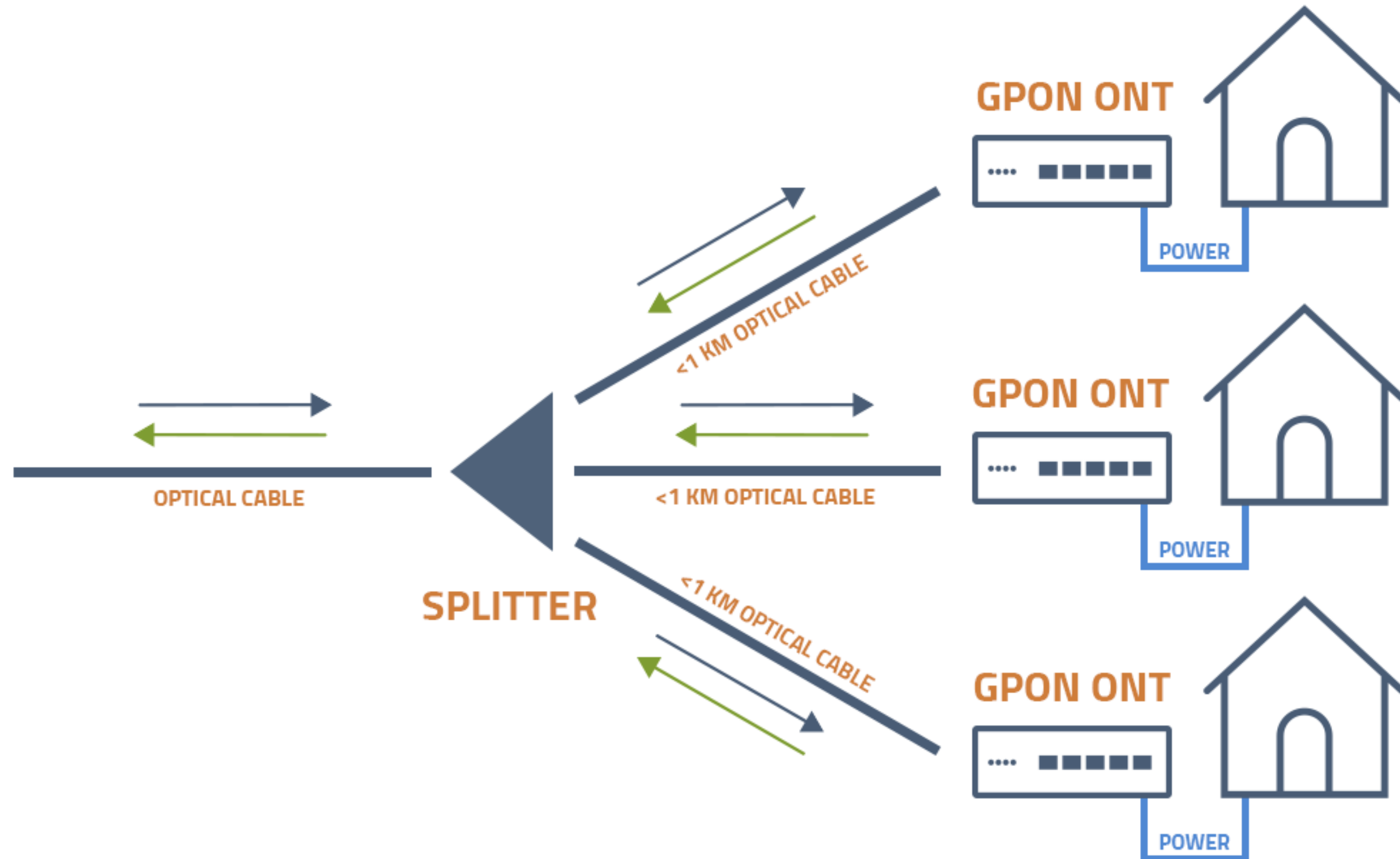
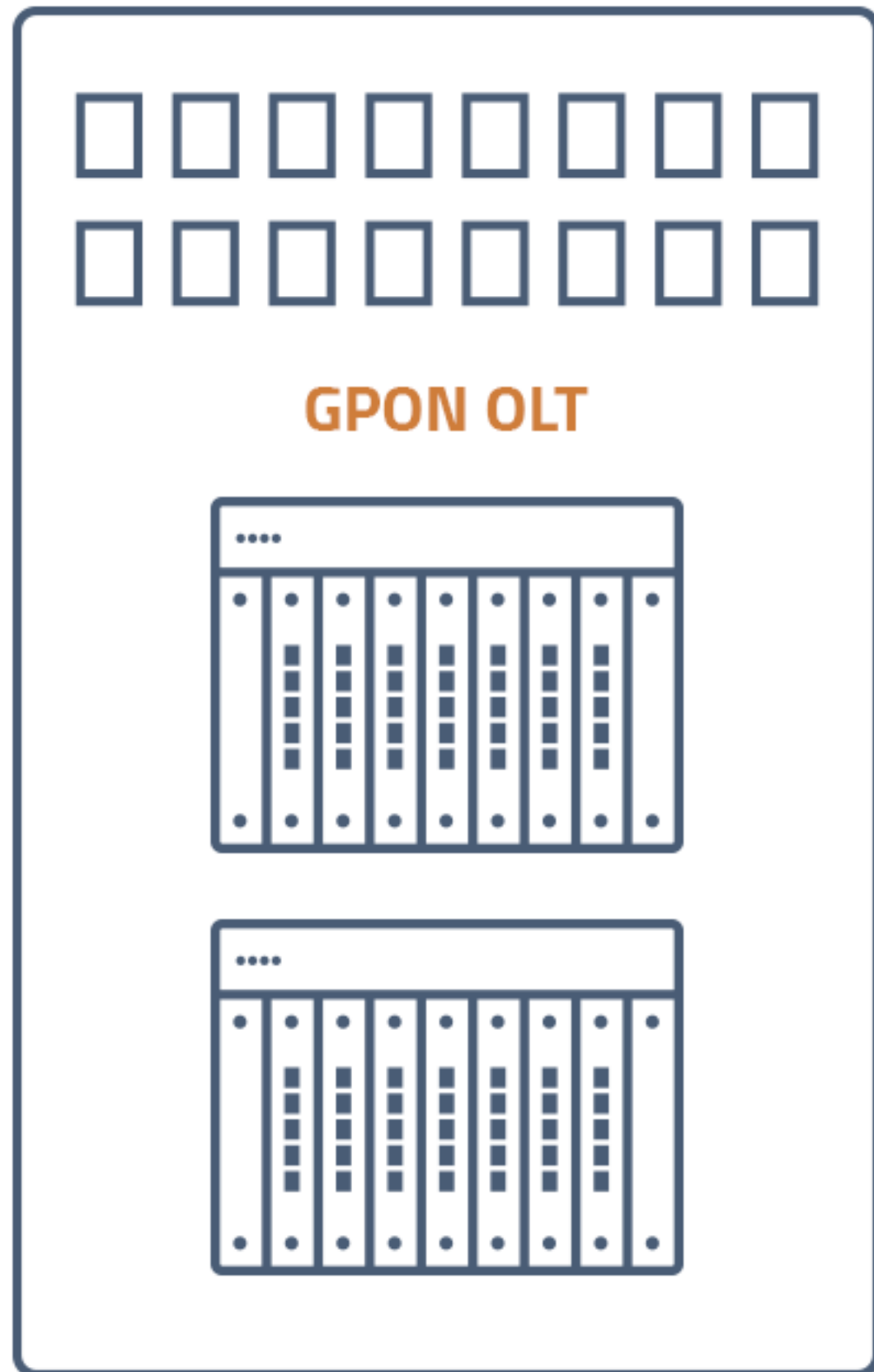


UPCOMING PRODUCTS

The background of the image shows various pieces of network hardware, including a black HP network switch on the left, a white vertical server rack in the center, and several white network switches and patch panels on the right. The entire scene is overlaid with a semi-transparent purple-to-pink gradient. A white rectangular border is centered horizontally across the middle of the image.

GPEN

CENTRAL OFFICE



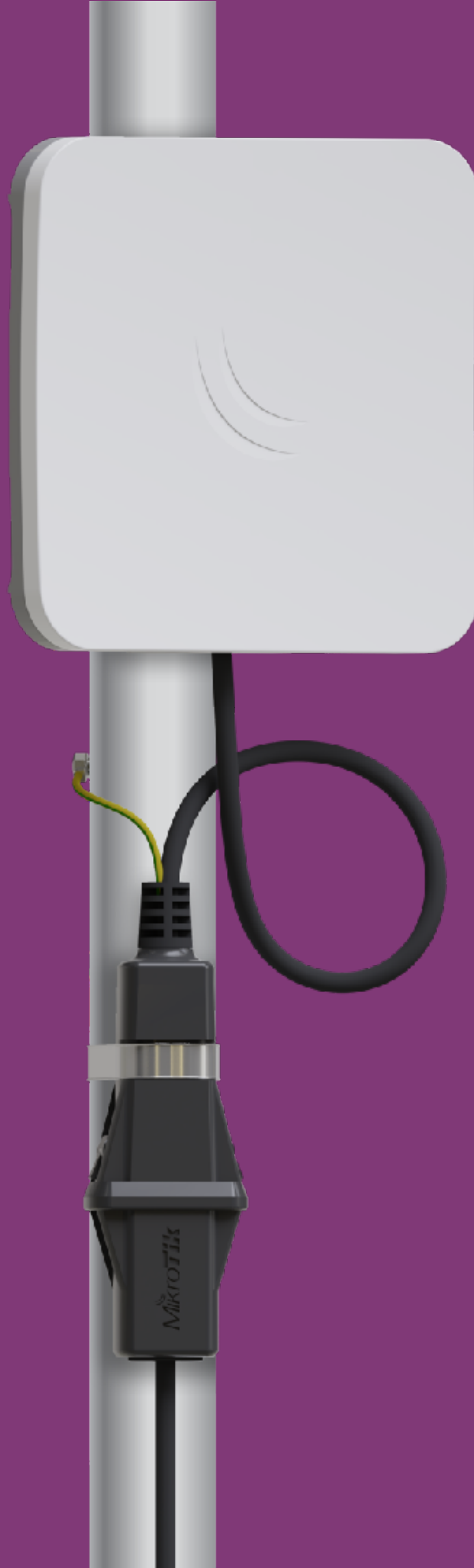
The background of the image shows various network hardware components, including a rack-mounted switch, a patch panel, and several network cables plugged into ports. The scene is dimly lit, with a strong red-to-purple color gradient overlaid across the entire image. A white rectangular box is centered horizontally, containing the text 'GIGABIT PASSIVE ETHERNET NETWORK' in a clean, white, sans-serif font.

GIGABIT PASSIVE ETHERNET NETWORK

GPER



- Gigabit passive Ethernet repeater
- Ethernet extender with PoE passthrough
- 24-57 V supported
- Intergrated 15 kV ESD protection
- ~2.5 V loss per 100 meters, allows up to 1.5 km long cable with PoE



GESP

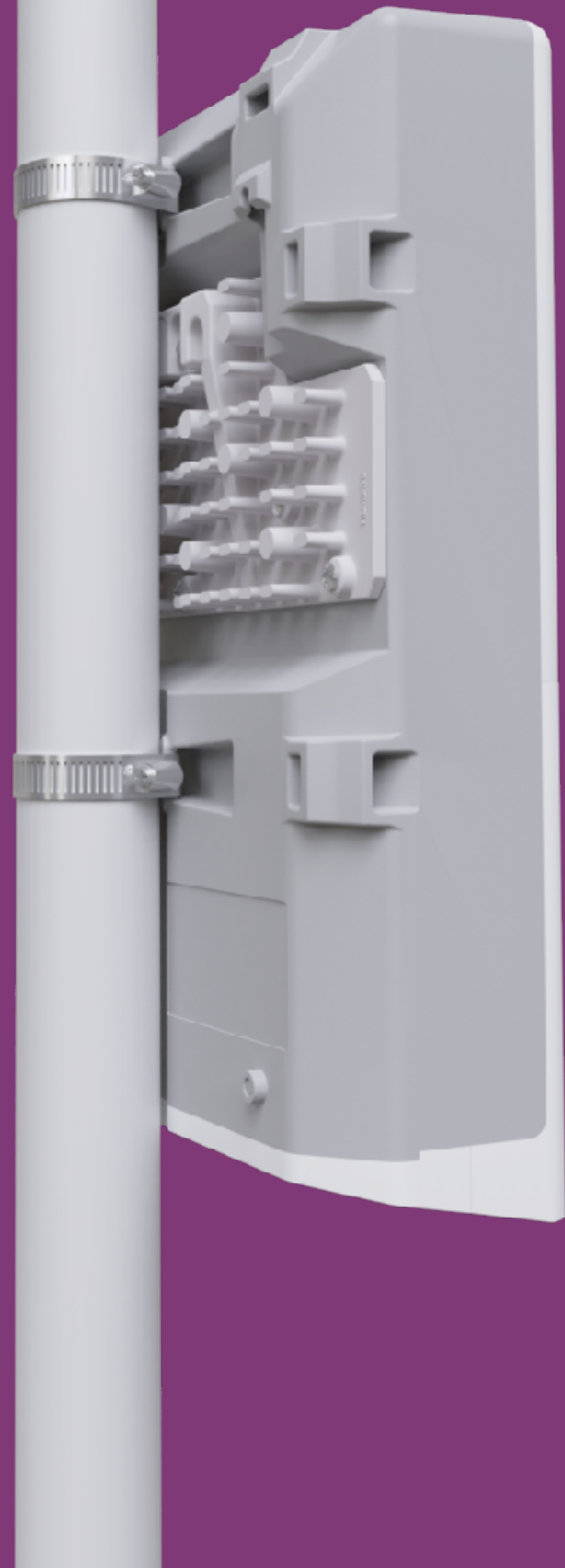
- Gigabit Ethernet surge protector
- Up to 30 kV
- Tower, server room or both



GPEN

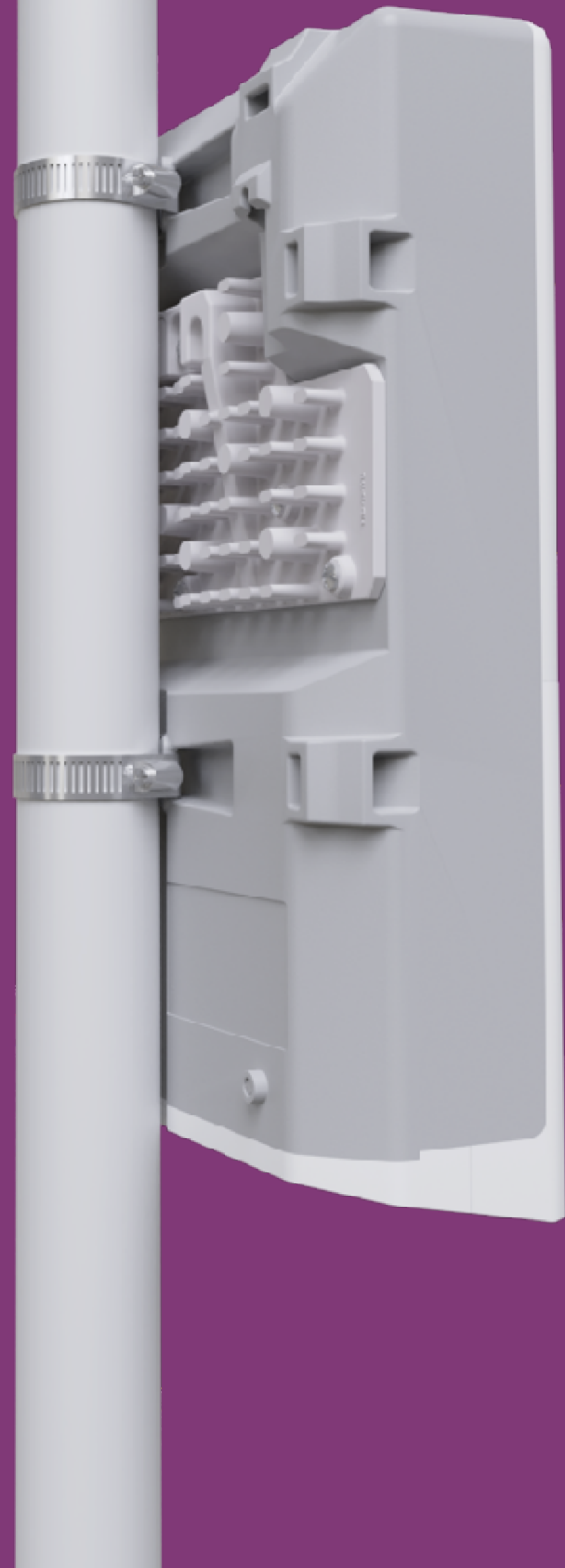
- Gigabit passive Ethernet network
- GPEN11 - PoE injector, can be mounted securely
- GPEN21 - smart injector, also adds SFP for fiber to copper functionality

netPower 15FR



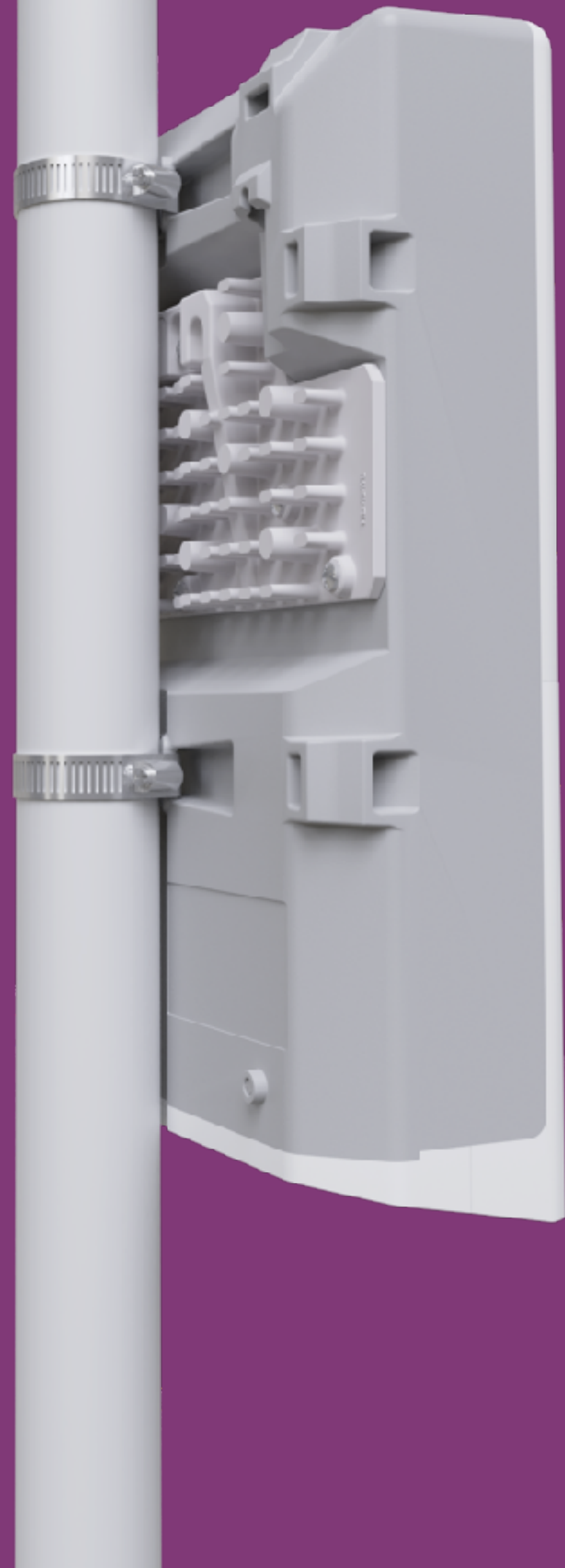
- CRS318-1Fi-15Fr-2S
- 16 Ethernet ports and 2xSFP uplinks
- Reverse PoE (PoE in) on 15x ports
- PoE out on single port
- Very affordable pricing

netPower 16P

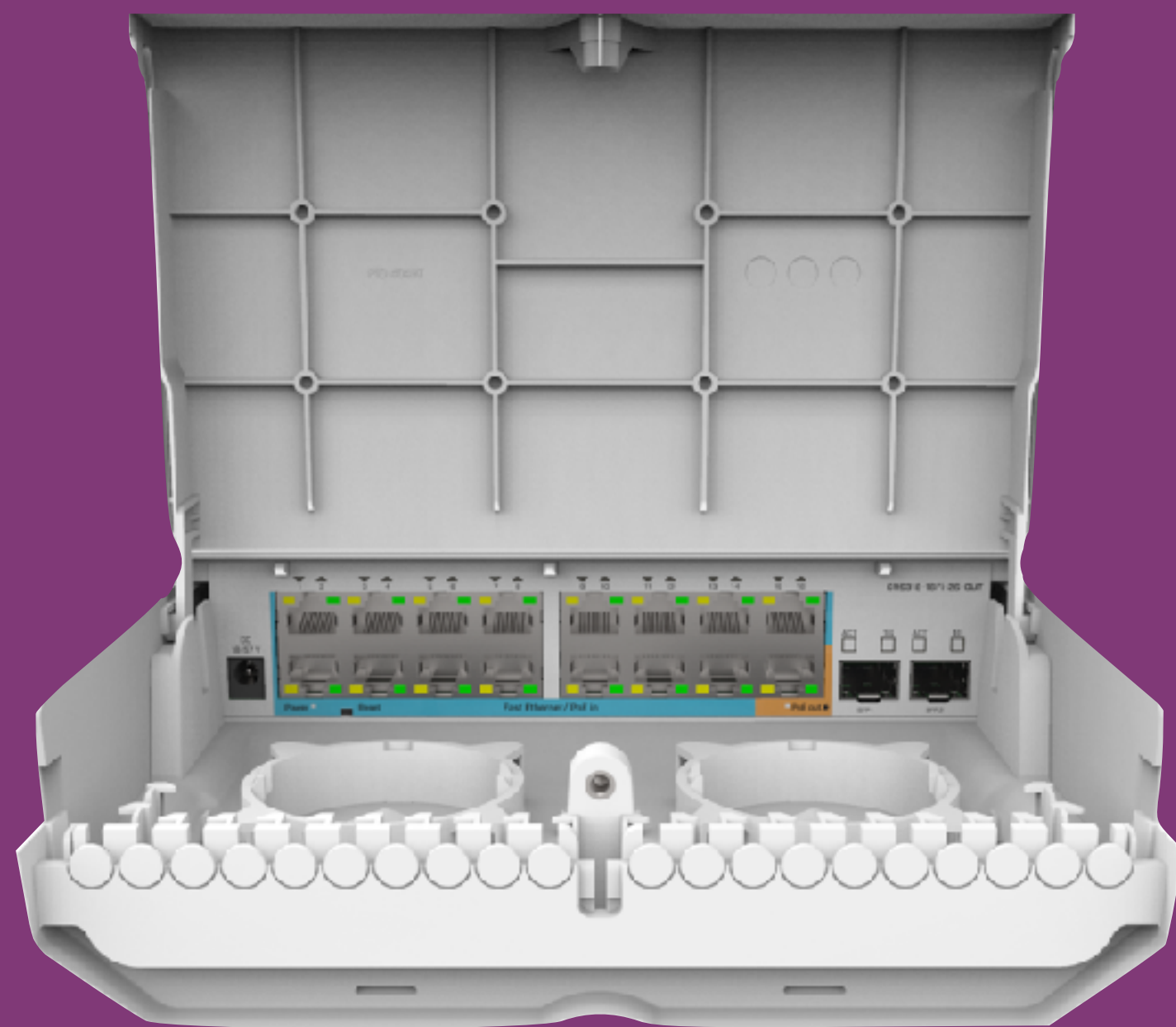


- CRS318-16P-2S+
- 16 Gigabit Ethernet PoE out ports
- 2x SFP+ uplinks

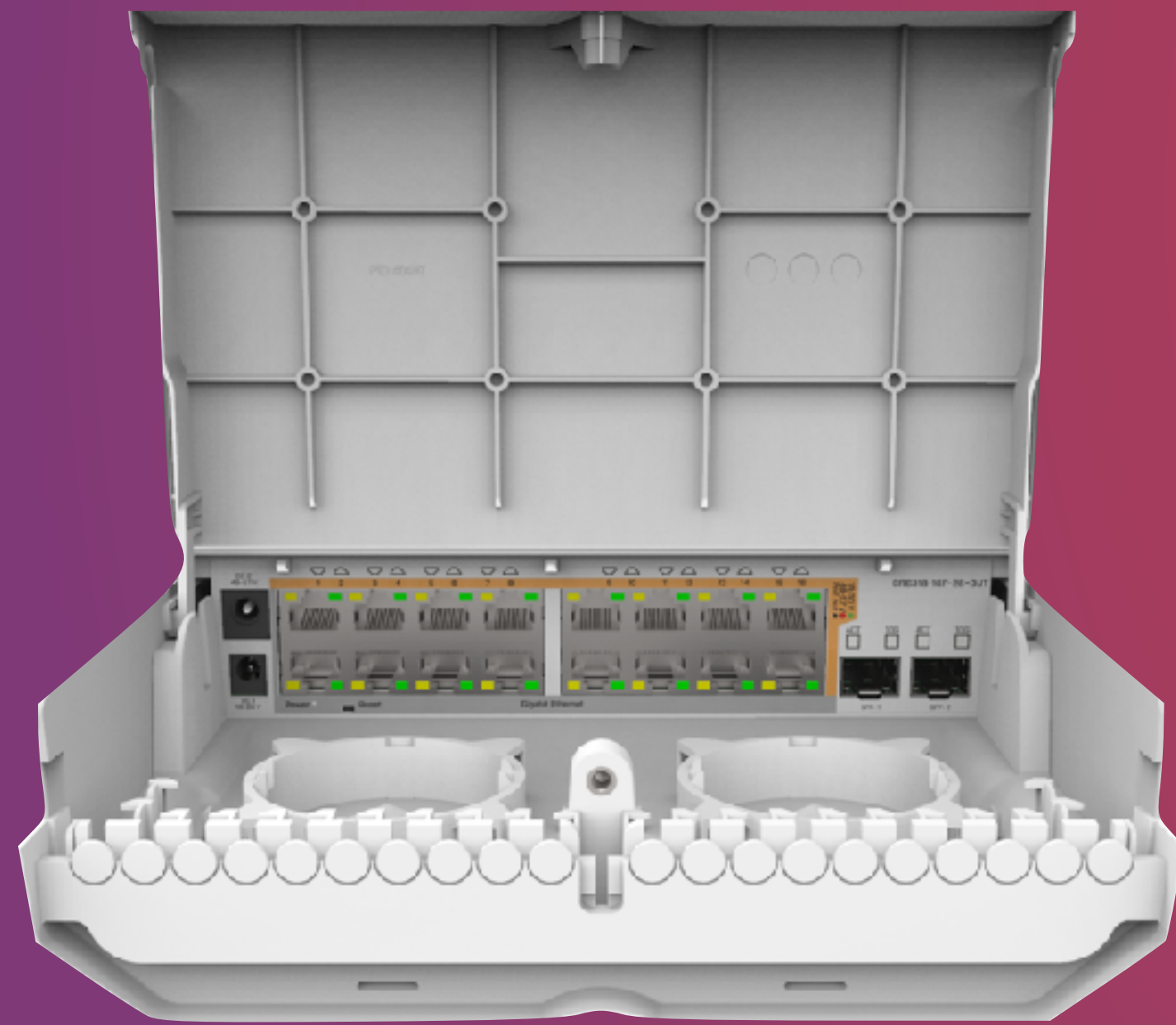
netPower Lite 8P



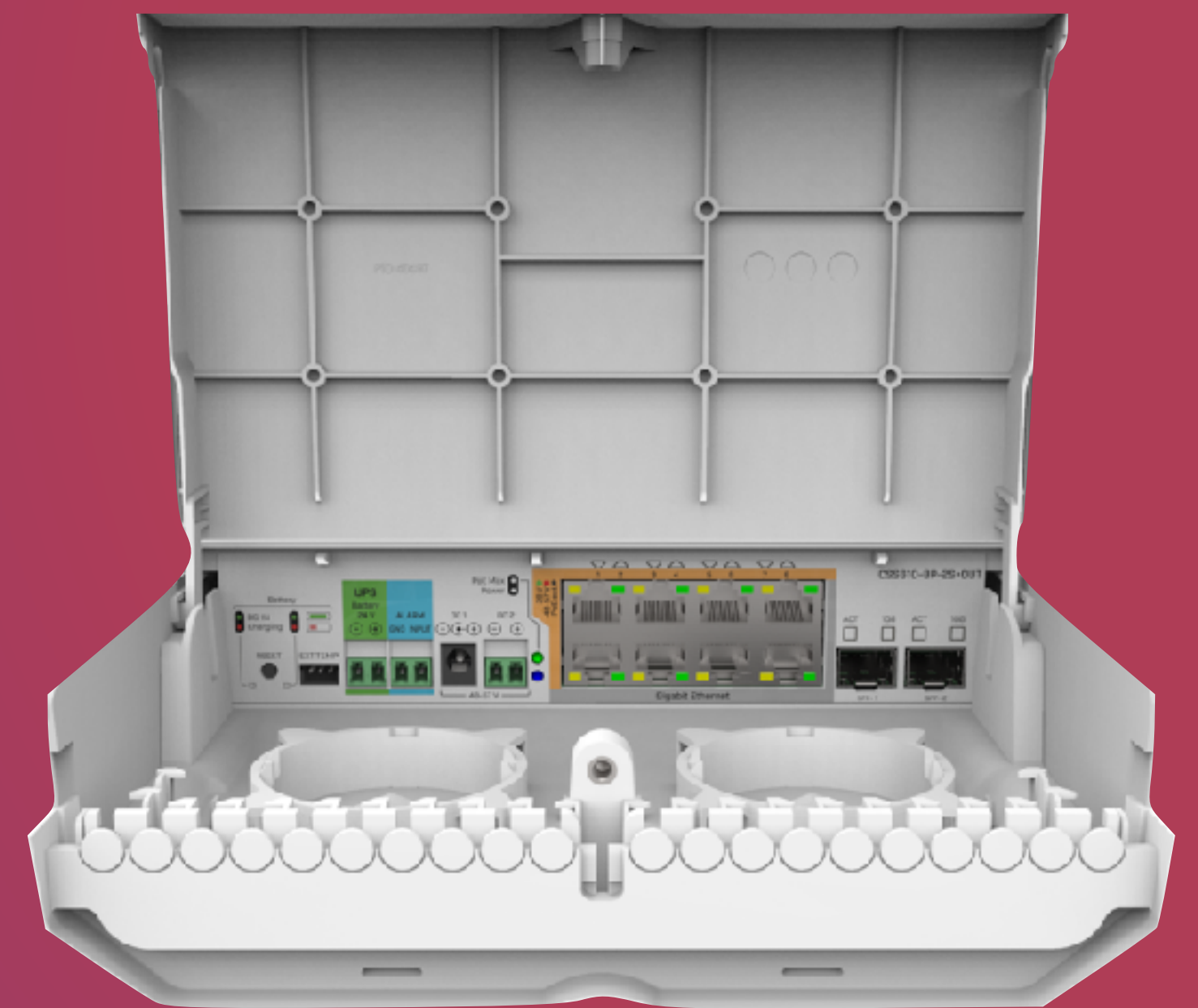
- CSS610-8P-2S+
- SwOS only
- 8 Ethernet ports with PoE out and 2x SFP+ uplinks
- Will have built-in UPS battery support
- Very affordable pricing



netPower 15FR



netPower 16P

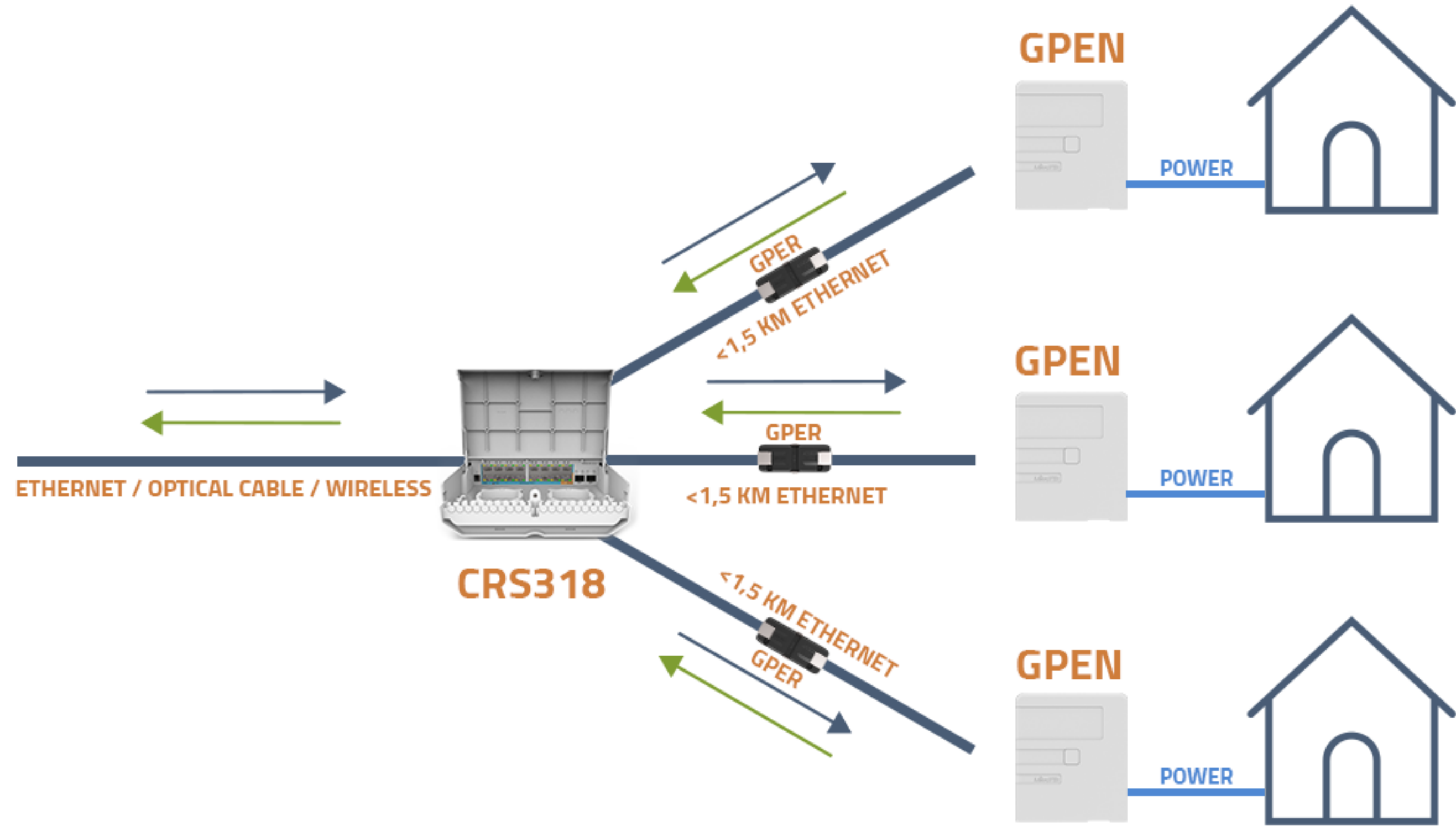
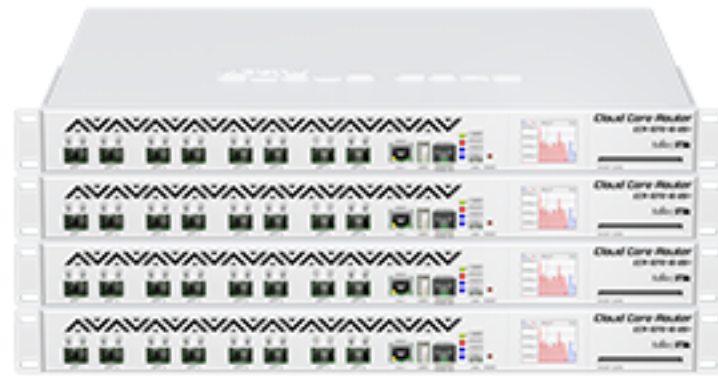


netPower Lite 8P

CENTRAL OFFICE

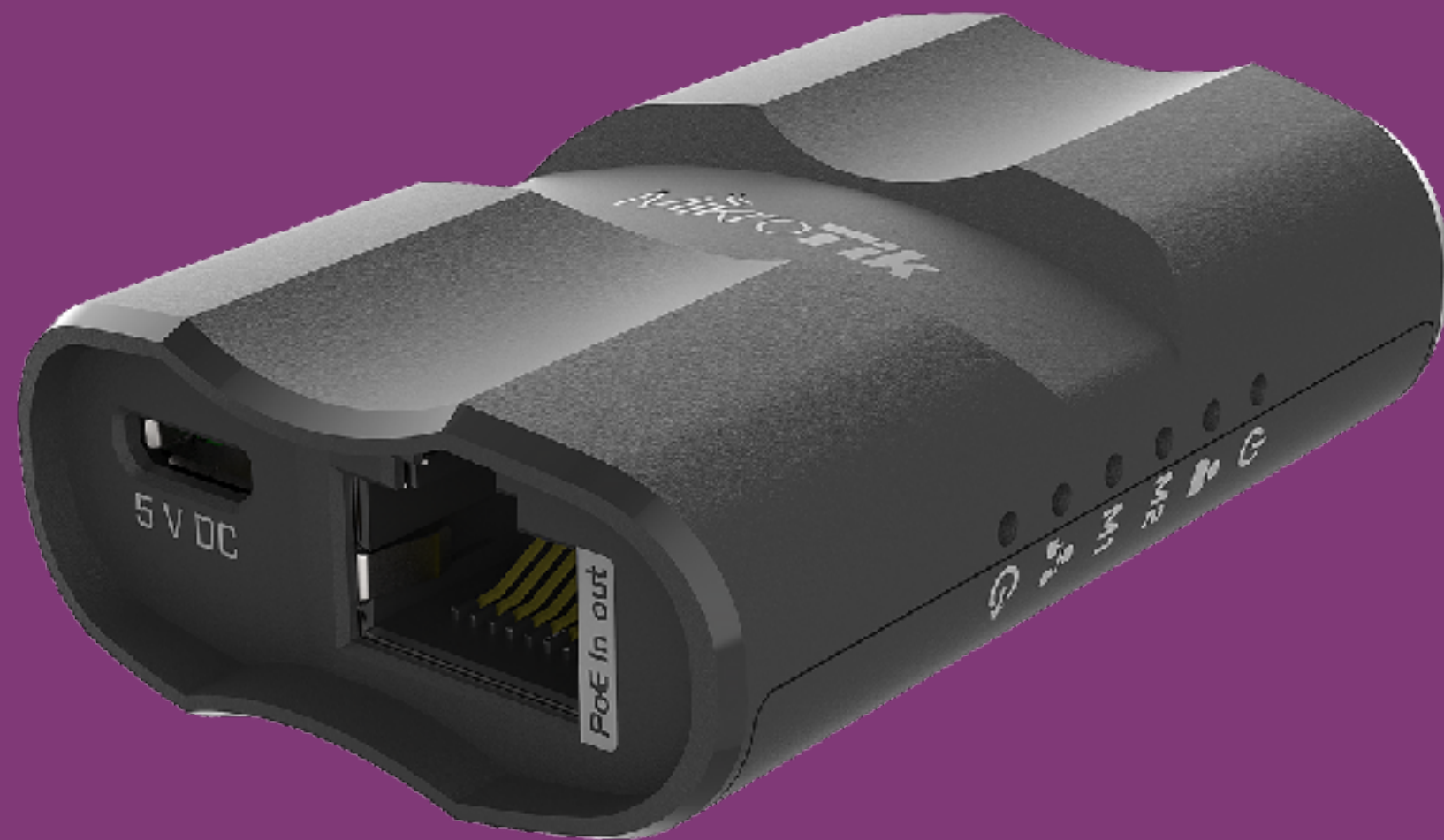


REGULAR NETWORK



MQS

- Mobile quick setup
- Administrators friend
- Manage Ethernet only devices from your phone over WiFi
- Can be powered from power bank
- PoE out voltage 12 V

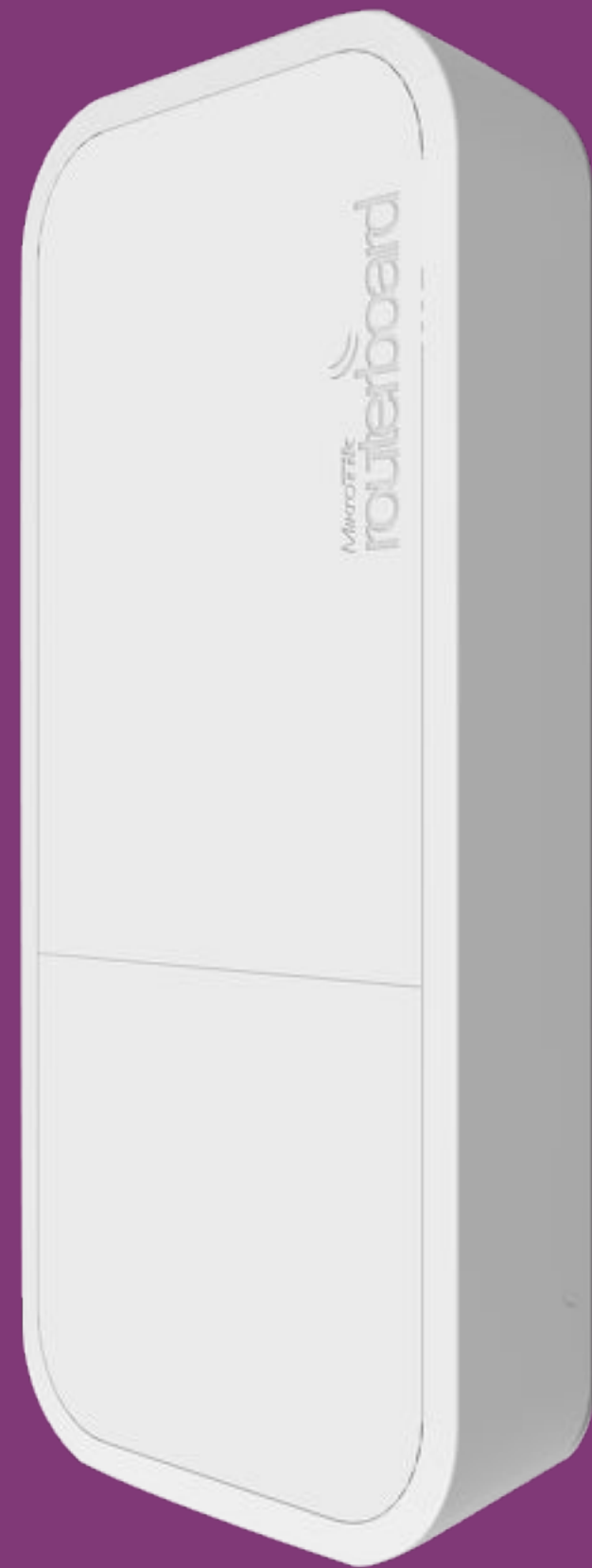




LoRa

- wAP 2 GHz AP with LoRa gateway
- UDP packet forwarder to any public or private network server
- Integrated 2.5 dBi antenna with external antenna support
- LoRa mPCIe Gateway module available

mUPS PRO



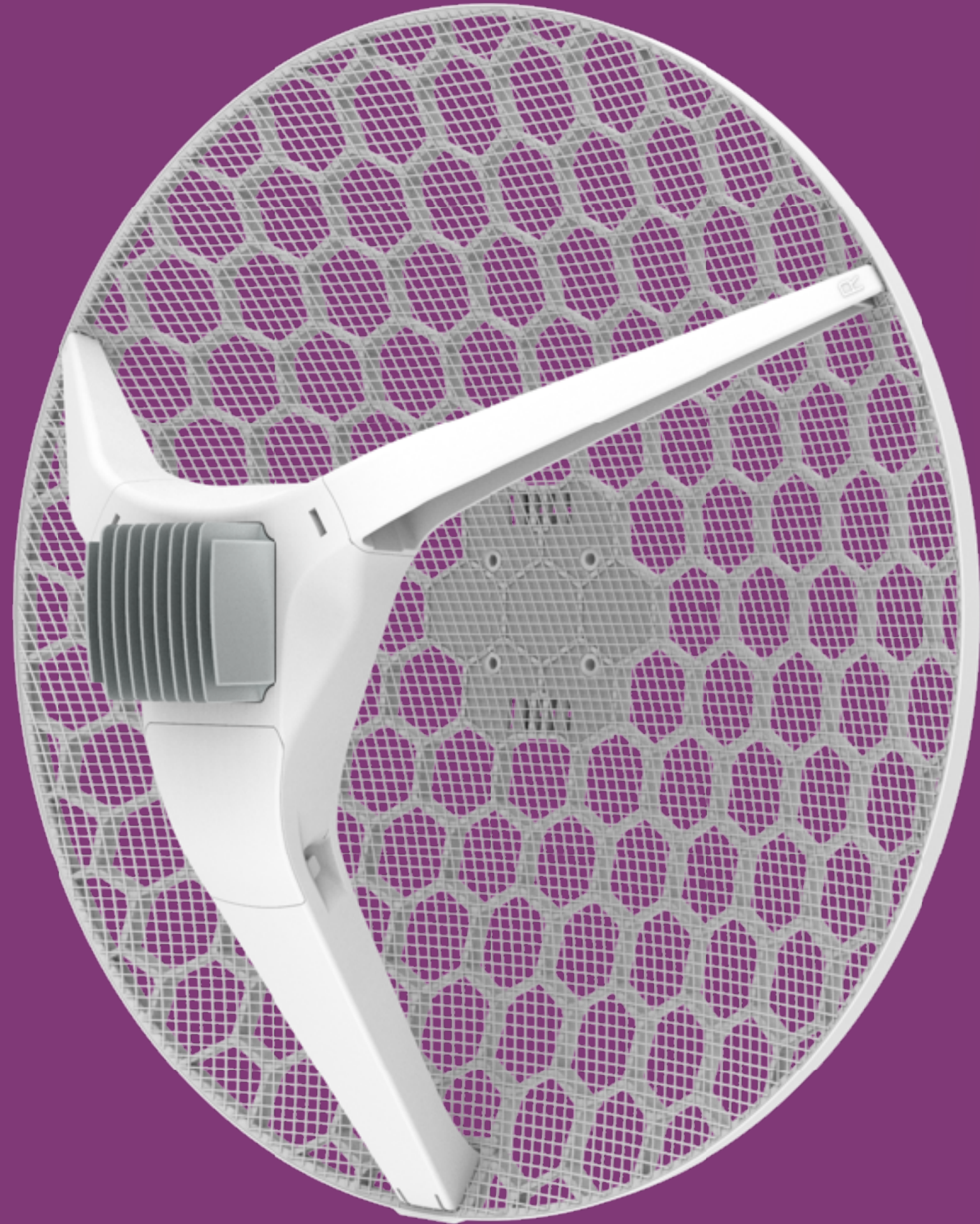
- Same form factor as mUPS
- 12 V/24 V battery support
- 24 V/48 V PoE out support
- Managed through web interface

LtAP



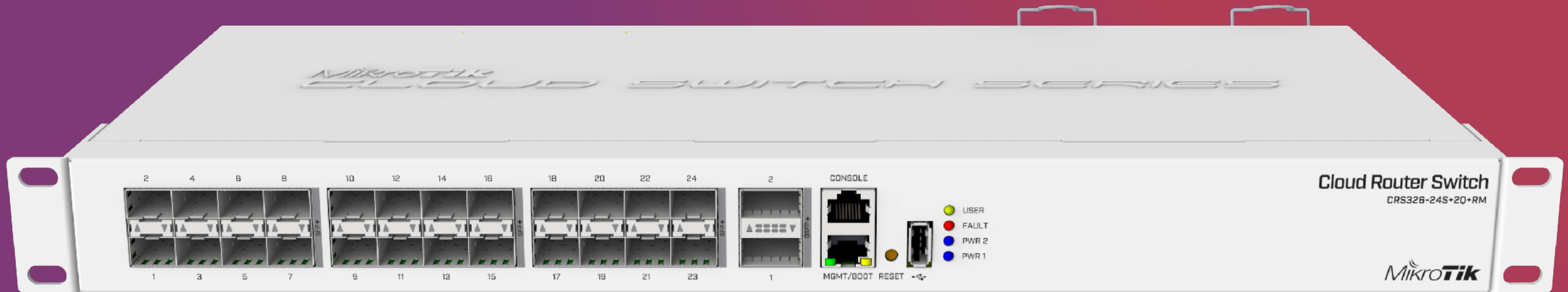
- Still coming, soon, promise!
- Three SIM slots, two miniPCle
- GPS (GNSS), built-in WiFi, multiple power sources, USB, console
- SMA connector for GPS, places for optional SMA connectors for other antennas

LHG XL HP

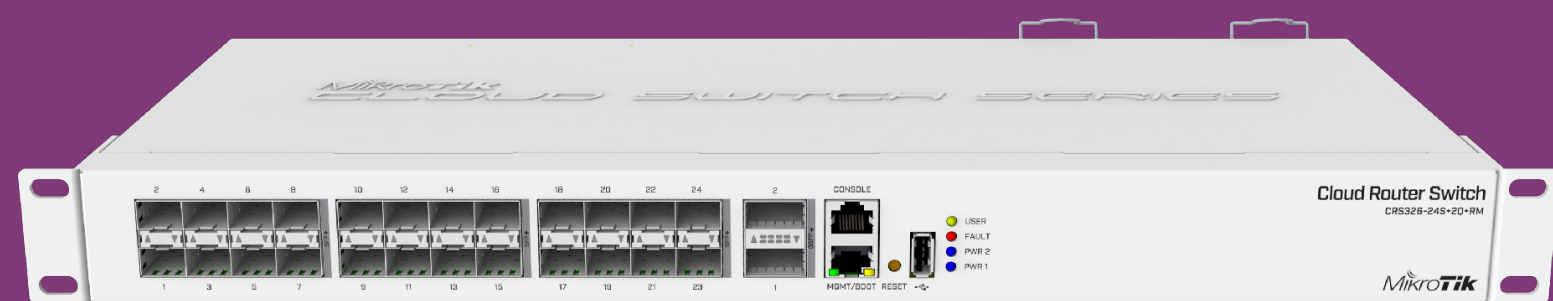


- Simultaneous dual band router
- Gigabit Ethernet and SFP
- Use for failover or high throughput
- High gain and output power

CRS326-24S+2Q+

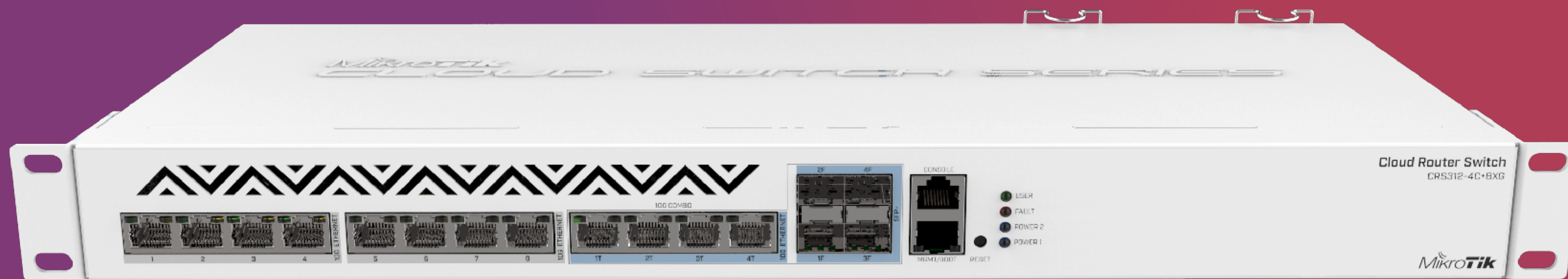


CRS326-24S+2Q+

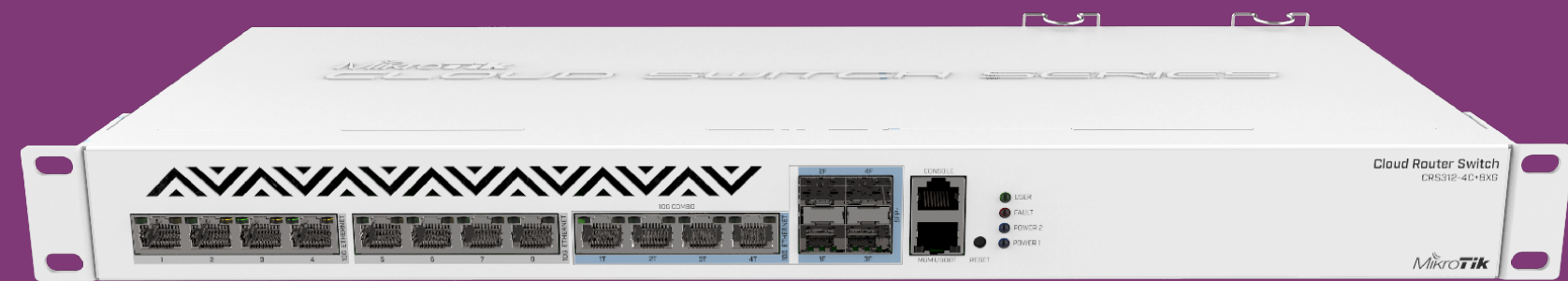


- 24x SFP+ (10G ports)
- 2x QSFP+ (40G ports)

CRS312-4C+8XG

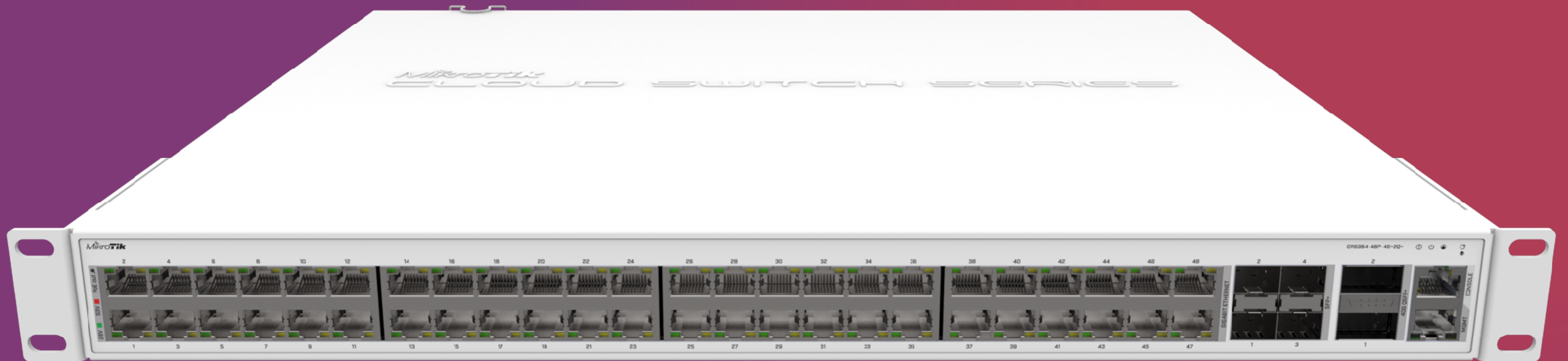


CRS312-4C+8XG

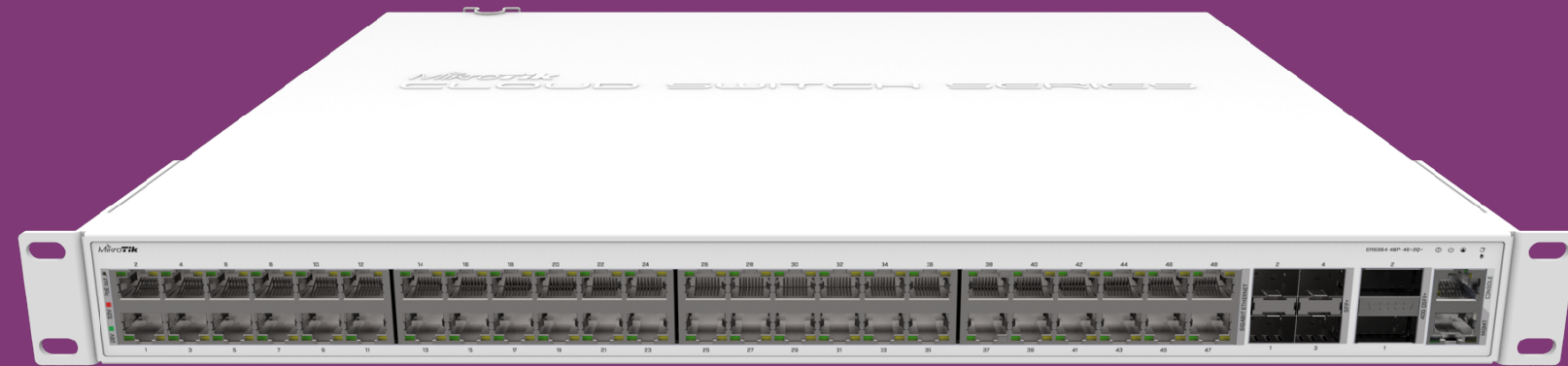


- 8x 10G Ethernet ports
- 4x 10G Ethernet / 10G SFP+ combo ports
- Console and management ports
- Dual PSU

CRS354



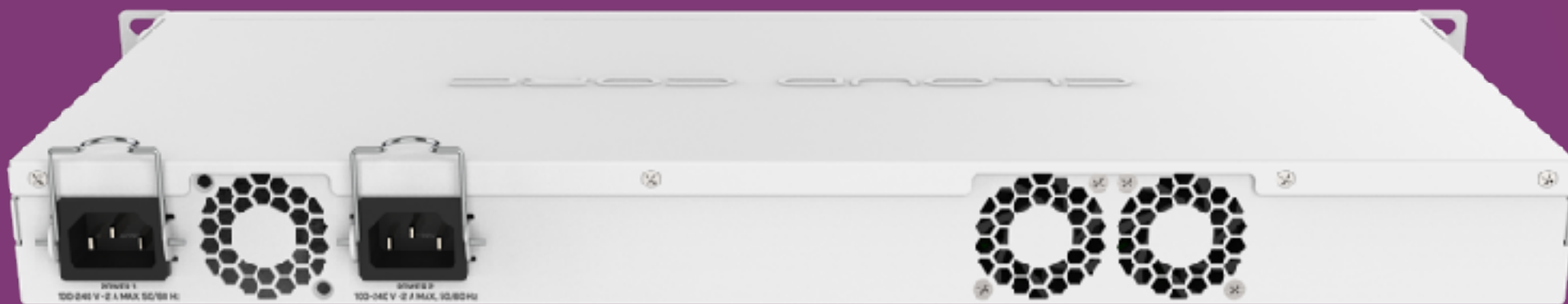
CRS354



- 48x Gigabit ports
- 4x SFP+ ports
- 2x QSFP+ ports
- 48x PoE out port version

CCR updates

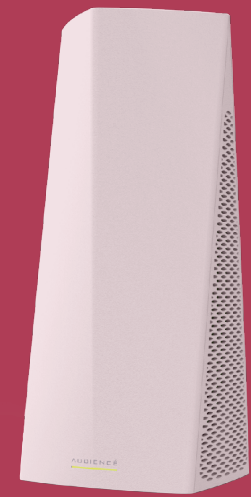
- All CCR 16-core and 36-core routers now will have dual PSU for redundancy
- Full size USB port
- Improved PSU design
- Optional 48 V PSU available separately





AUDIENCÉ

AUDIENCÉ



Audience

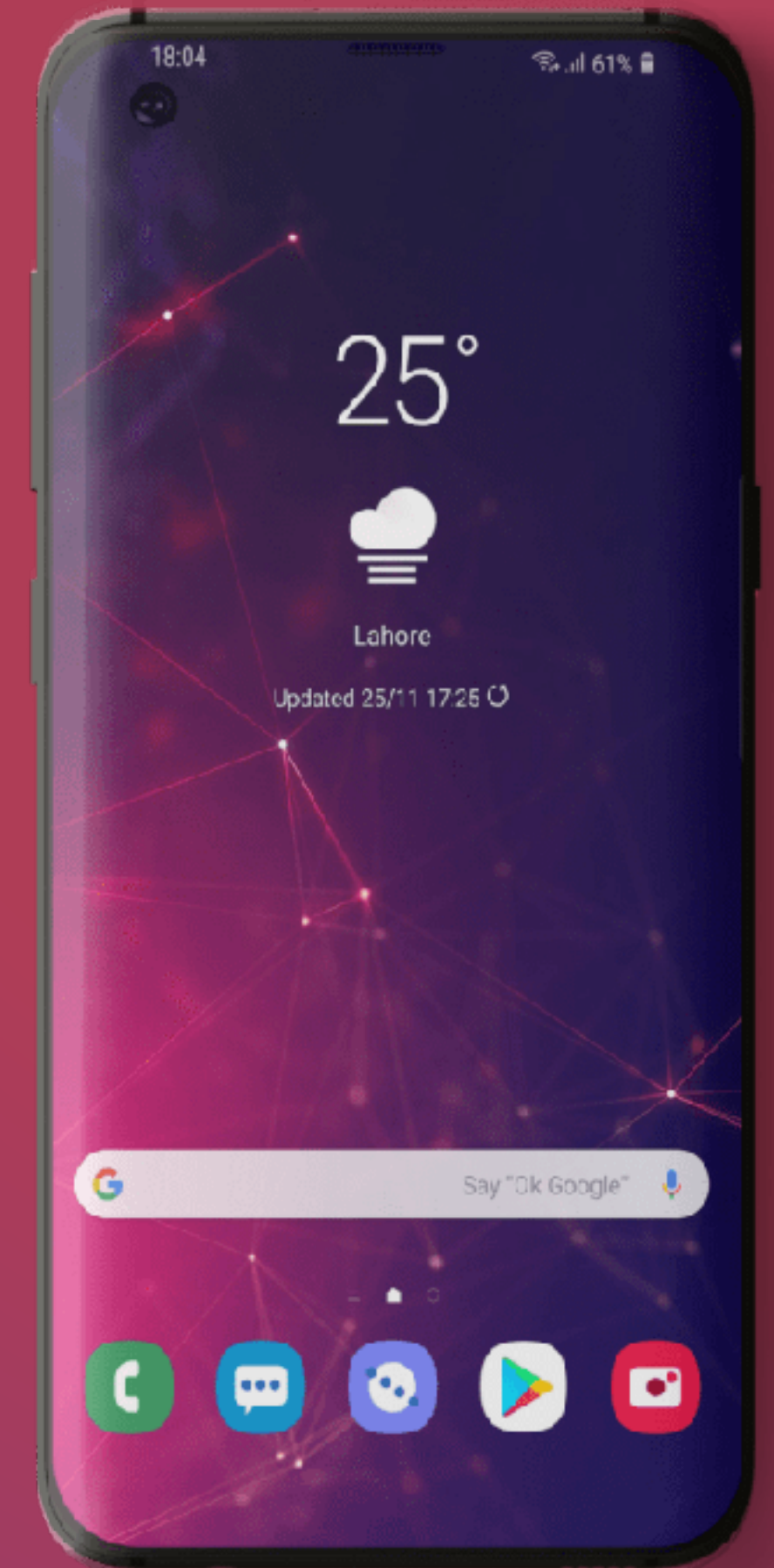
- Tri-band 802.11ac home AP with mesh function
- Secondary 5 GHz interface pairs with other units
- Two Ethernet ports
- LTE model with SIM slot and CAT6 modem



MikroTik app for iOS / Android



Scan me



RouterOS updates

6.43.x (long-term) 454 (17 important)

6.44.x (stable) 282 (8 important)

6.45beta (testing) 128 (3 important)

The image features a stylized world map in shades of red and purple, overlaid with a grid of latitude and longitude lines. In the center of the map, there is a white silhouette of a person sitting on a bicycle. The Microtik logo is prominently displayed in the center, consisting of the word "MIKRO" in a white, italicized, sans-serif font, followed by a white crescent moon symbol, and then "TIK" in a white, bold, italicized, sans-serif font.

MIKRO  ***TIK***