

The logo for MikroTik, featuring the word "Mikro" in a white, italicized sans-serif font, followed by "Tik" in a bold, italicized sans-serif font. A white arc above the "i" in "Mikro" suggests a stylized sun or moon. The logo is centered on a background of a server room with a red-to-purple gradient overlay.

MikroTik

ECUADOR  
AGOSTO 2019

A long, empty office hallway with desks and chairs, overlaid with a red-to-purple gradient. The text "WHAT DO WE DO?" is centered in white, uppercase letters.

WHAT DO WE DO?



MORE THAN 200 PRODUCTS



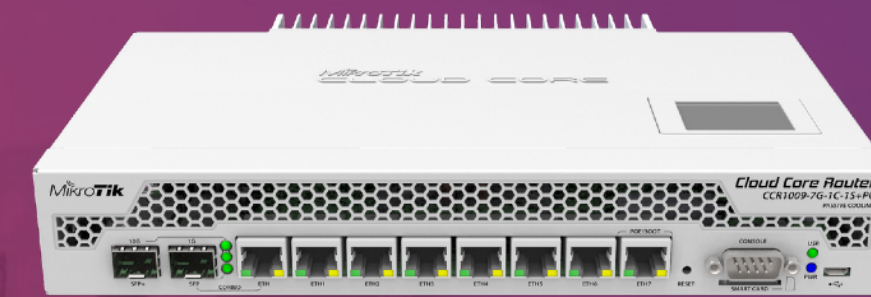
HOME



OUTDOOR



SOHO



CARRIER



LATVIA



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

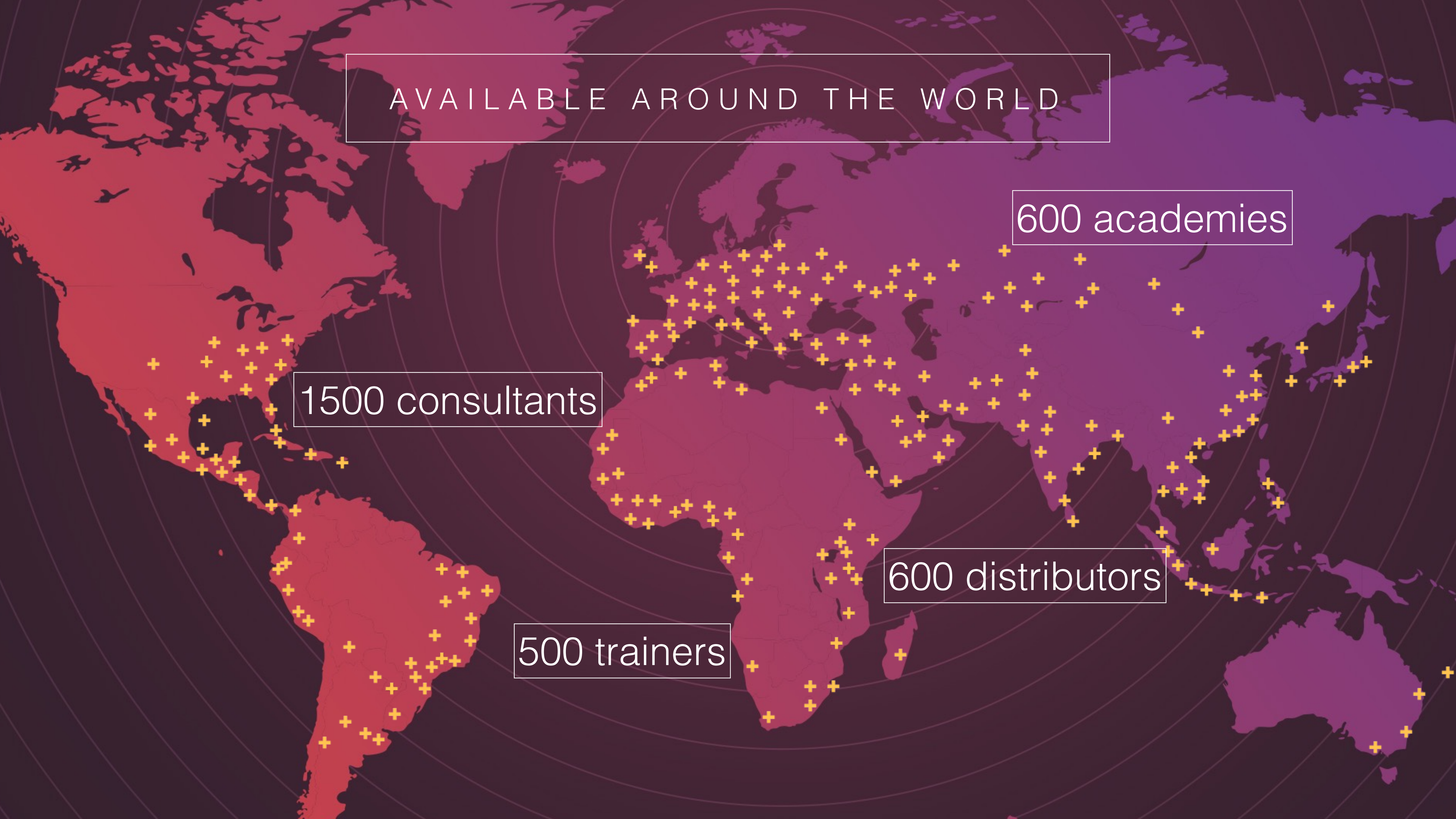
AVAILABLE AROUND THE WORLD

600 academies

1500 consultants

600 distributors

500 trainers

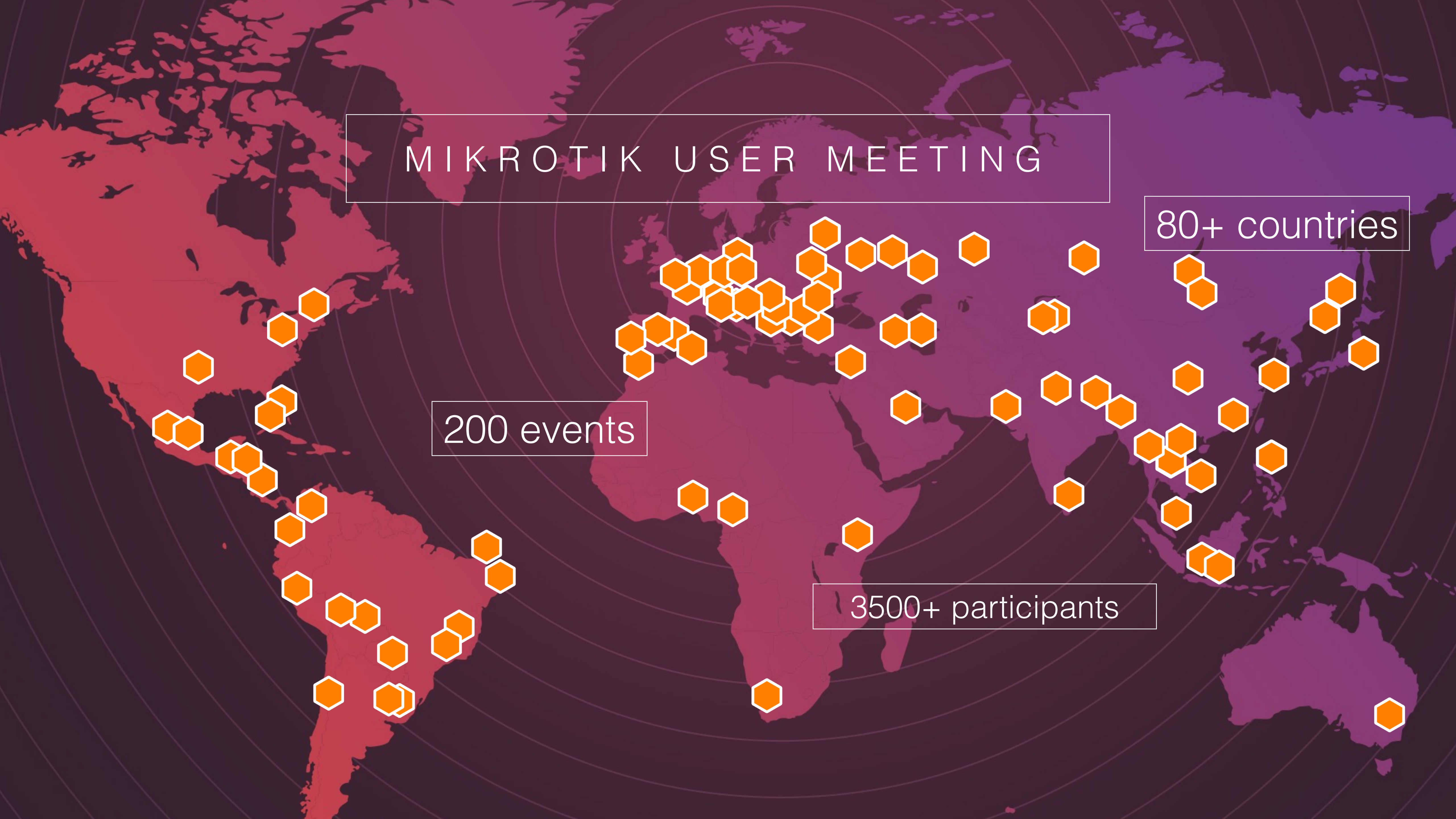


# MIKROTIK USER MEETING

80+ countries

200 events

3500+ participants





# Today

- 4 staff members from MikroTik
- Schedule available **mt.lv/agenda**
- 21 exhibitors
- Lunch with coupon
- Drinks and lottery after the event
- WiFi: **Swissotel\_Quito**, user: **MikroTik**, password **MikroTik**

A network switch rack with a red-to-purple gradient overlay. The rack contains several network switches, with some having circular indicator lights. The background is a blurred view of the rack's interior.

Live video stream  
[youtube.com/mikrotik](https://youtube.com/mikrotik)

Special thanks!





# 60 GHz device family

wAP 60Gx3 AP



Wireless Wire Dish



SXTsq Lite60



LHG Lite60



# Cellular network devices

LtAP



wAP



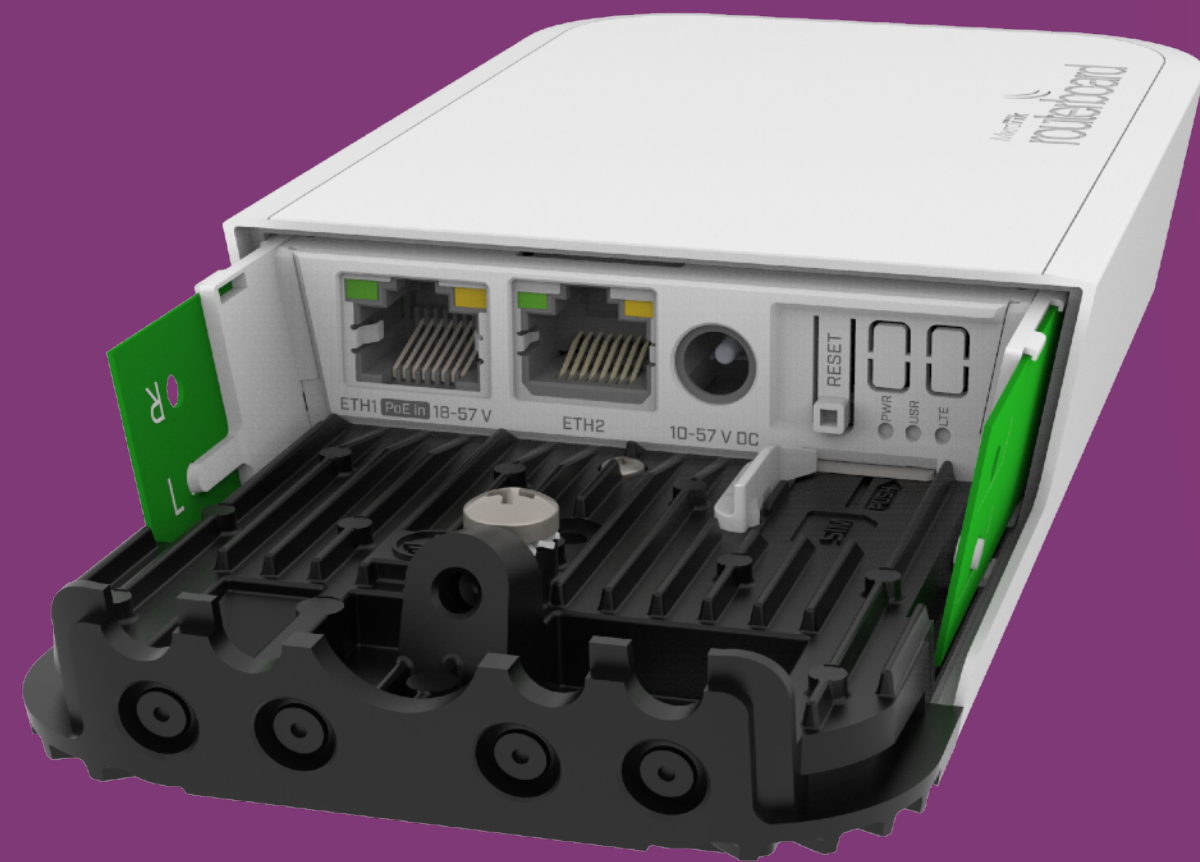
SXT



LHG



# wAP ac kit



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

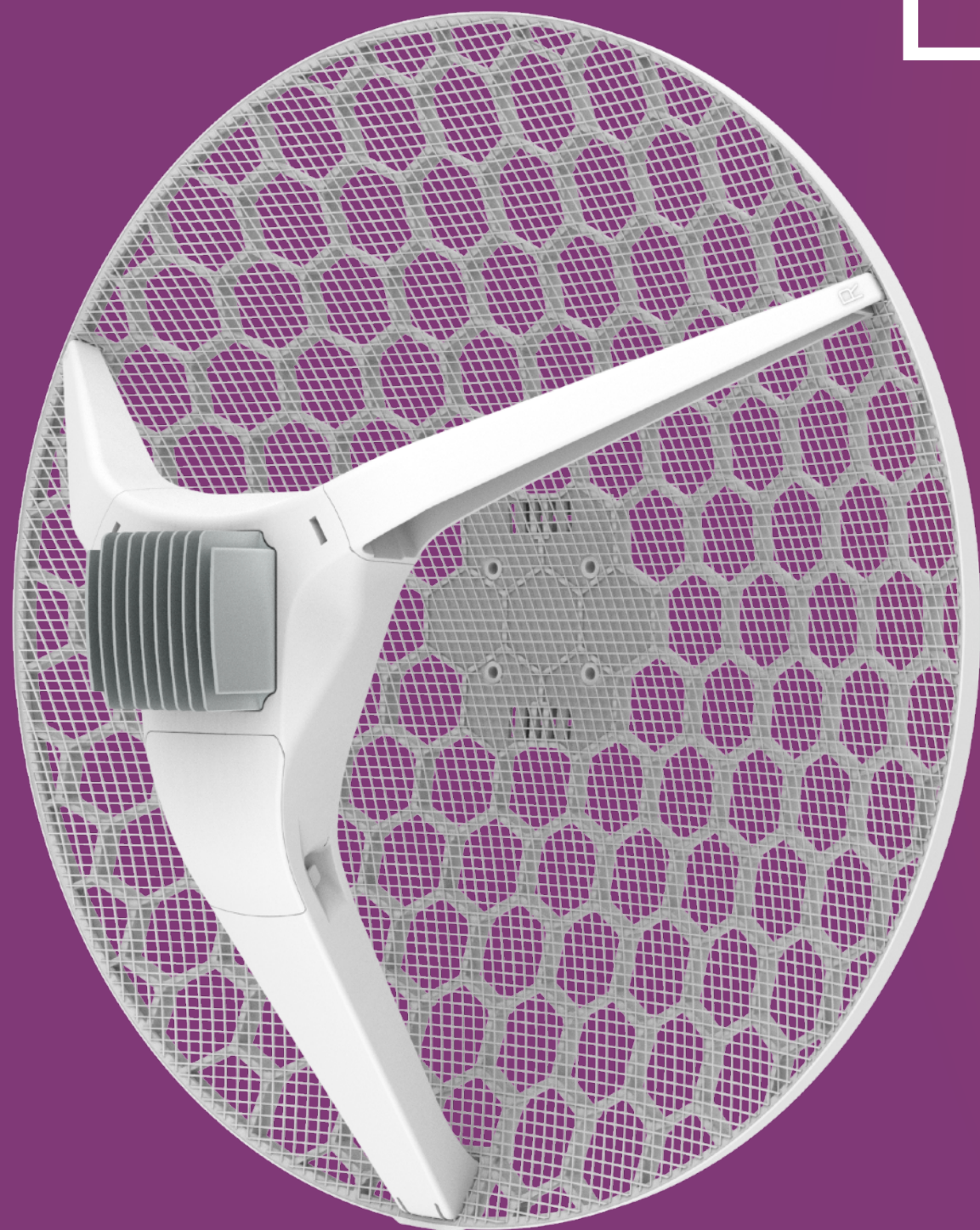


# LtAP

- 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

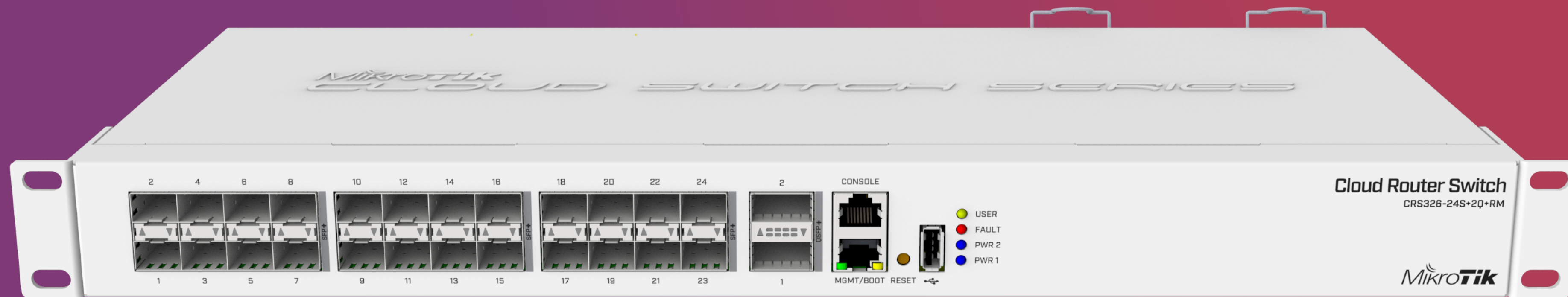


# LHG XL HP

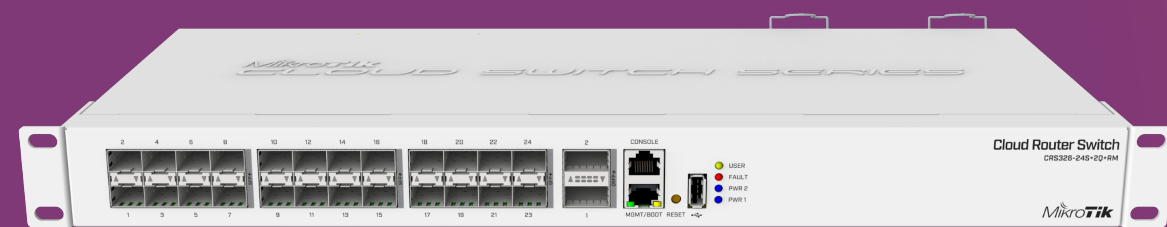


- Simultaneous dual band router
- Gigabit Ethernet and SFP
- Use for failover or high throughput
- High gain and output power

# CRS326-24S+2Q+RM

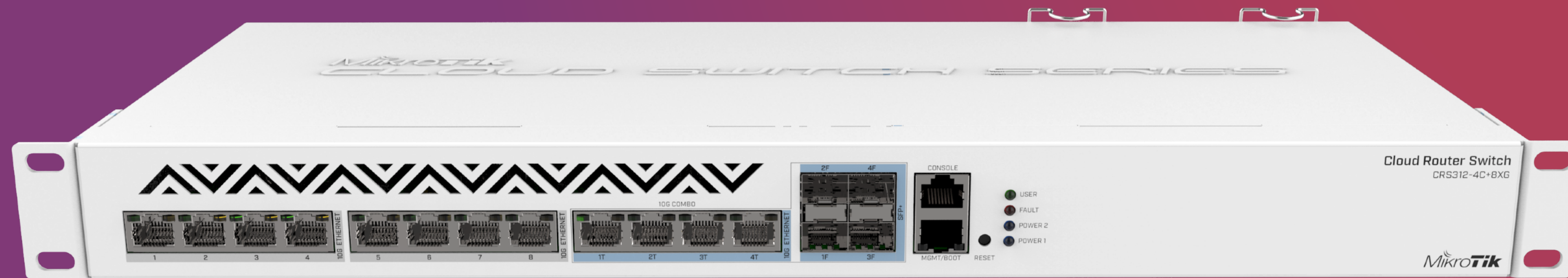


# CRS326-24S+2Q+RM



- 24x SFP+ (10G ports)
- 2x QSFP+ (40G ports)
- Console and management ports
- Dual PSU

# CRS312-4C+8XG-RM



# CRS312-4C+8XG-RM



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

# 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



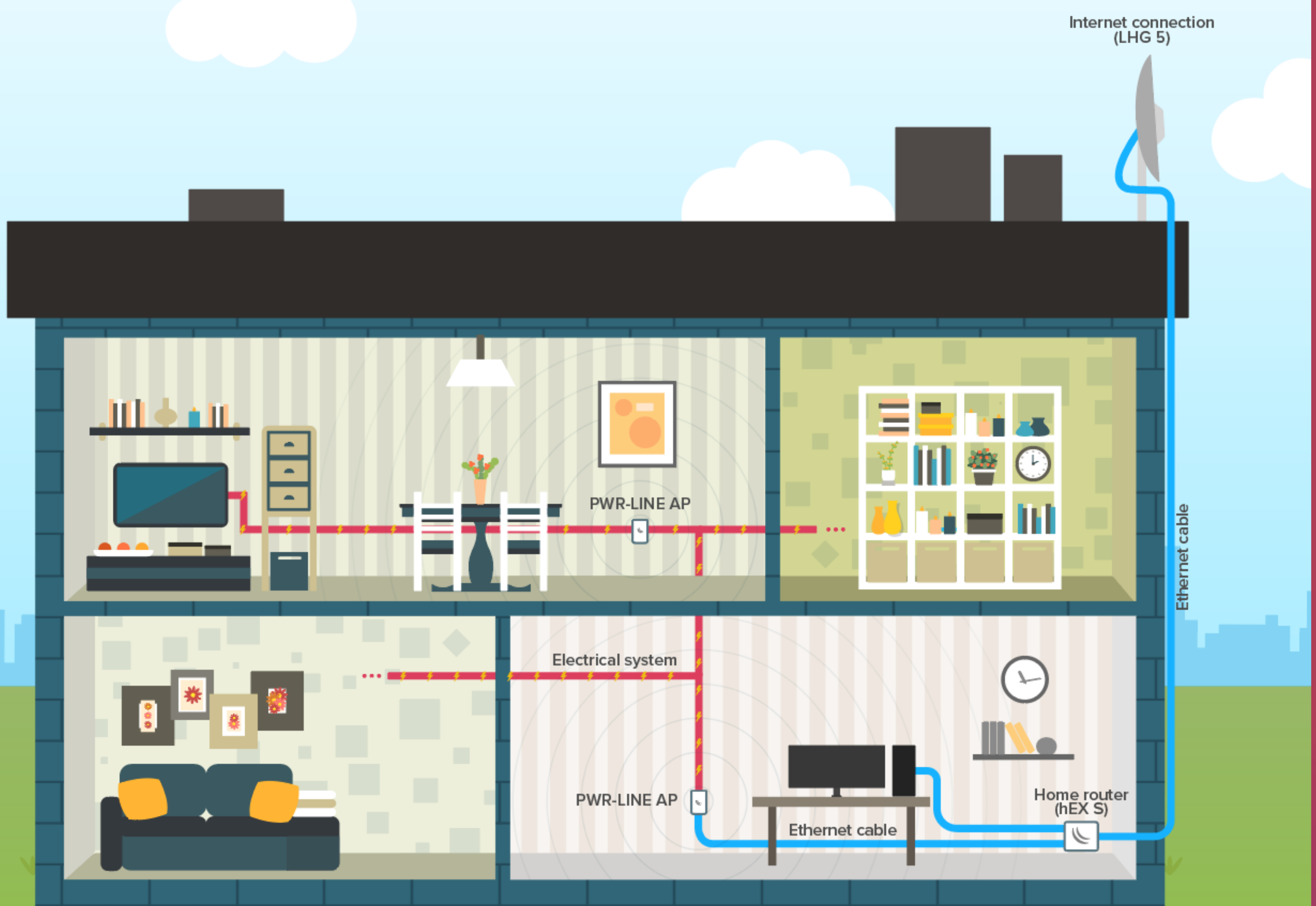
- Adds PWR Line function via microUSB
- Supported by the new hAP lite & mini and mAP family devices
- Connect to PWR Line AP or other routers over the electrical line



# PWR Line PRO



- Transparent bridge over electrical wires
- Up to 600 Mbps
- Uses HomePlug AV standard



# 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



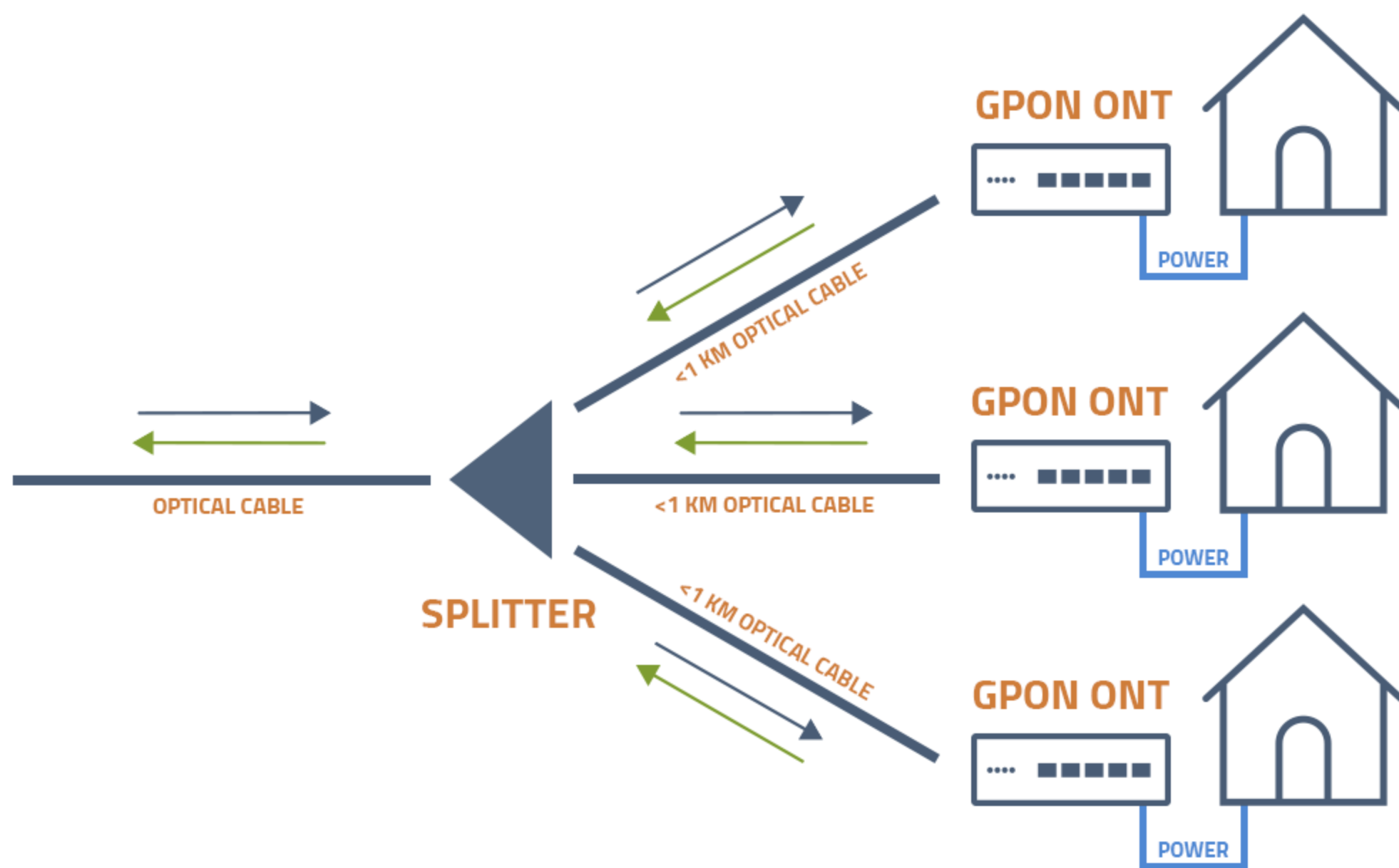
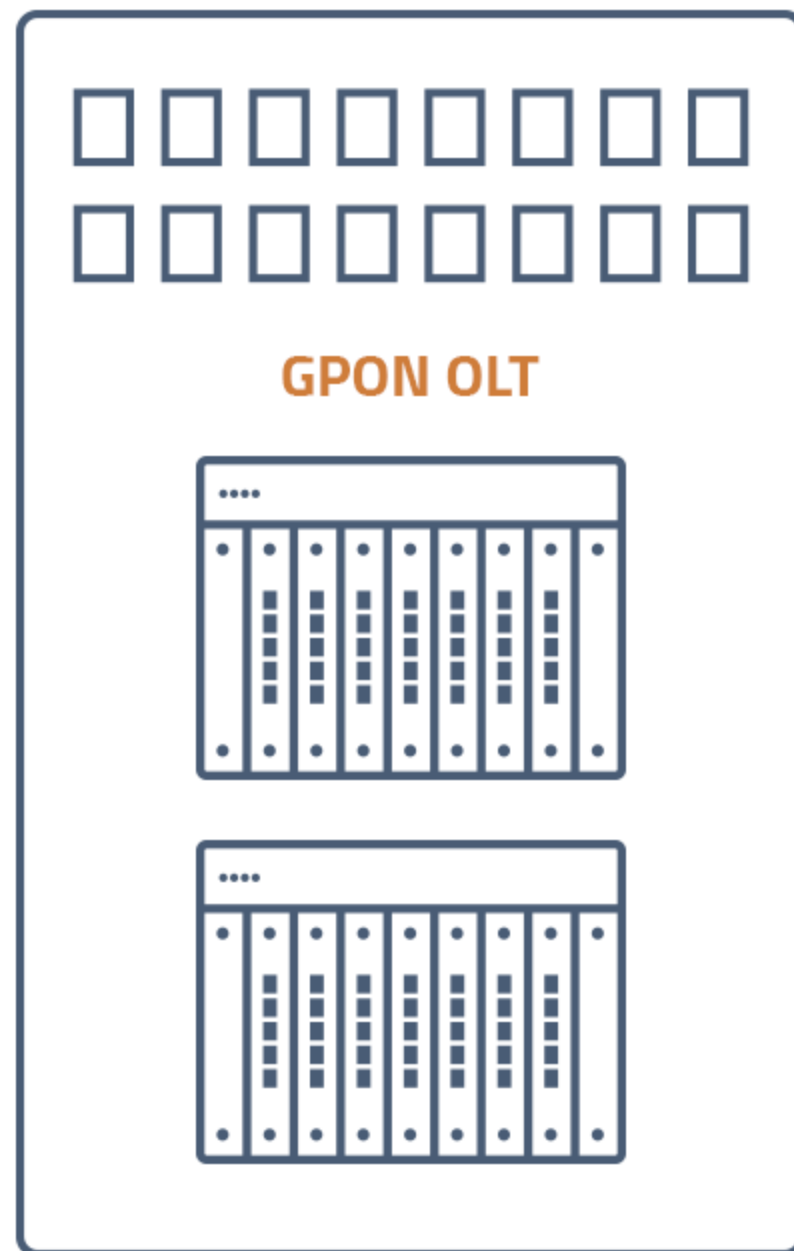
The background is a blurred photograph of an office. On the right, a whiteboard is visible with some faint, illegible writing. In the foreground, there is a desk with a computer monitor and some papers. The overall lighting is soft, and the colors are muted, with a slight purple and blue tint. A white rectangular box is centered horizontally across the middle of the image, containing the text 'UPCOMING PRODUCTS' in a white, uppercase, sans-serif font.

# UPCOMING PRODUCTS





## CENTRAL OFFICE

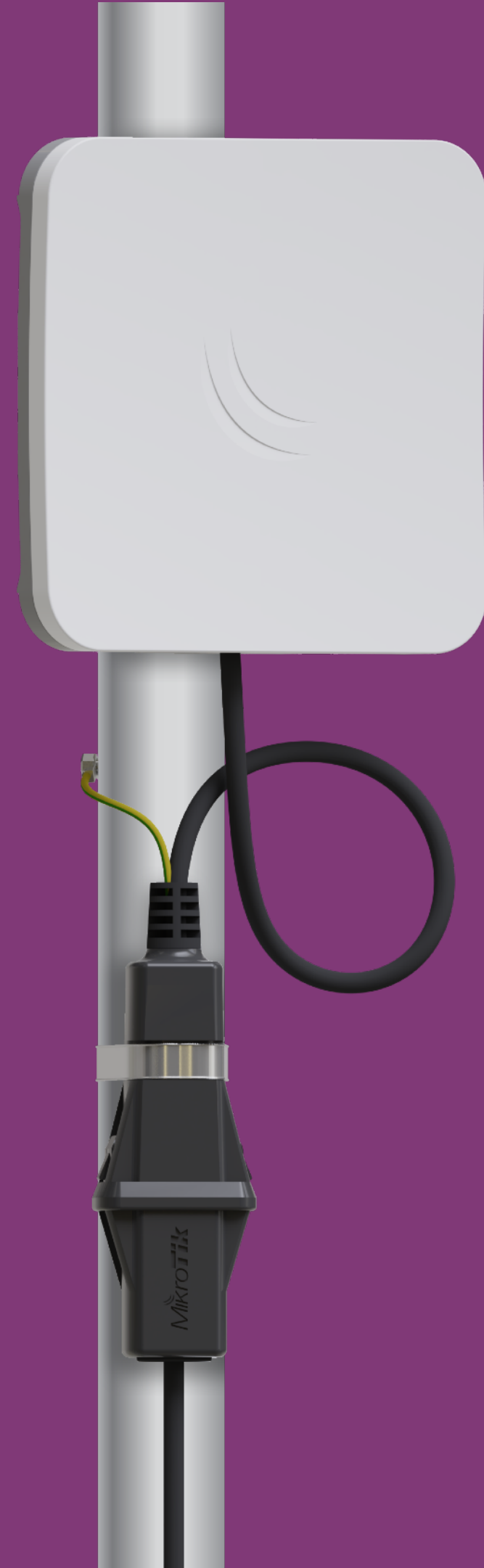






# GPER

- 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



## CRS318

15x PoE in

1x PoE out

16x PoE out



## CSS610

7x PoE in

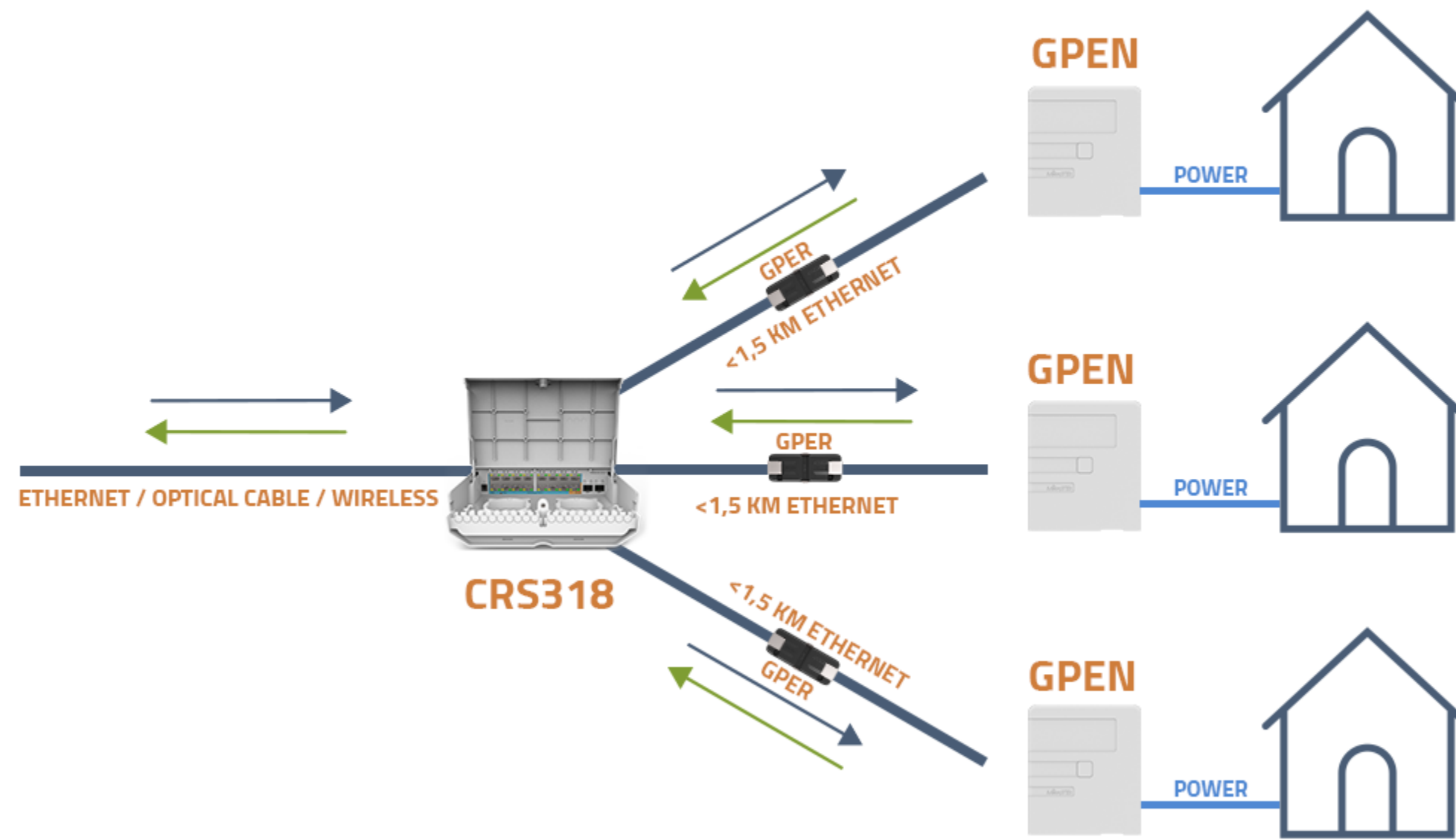
1x PoE out

8x PoE out

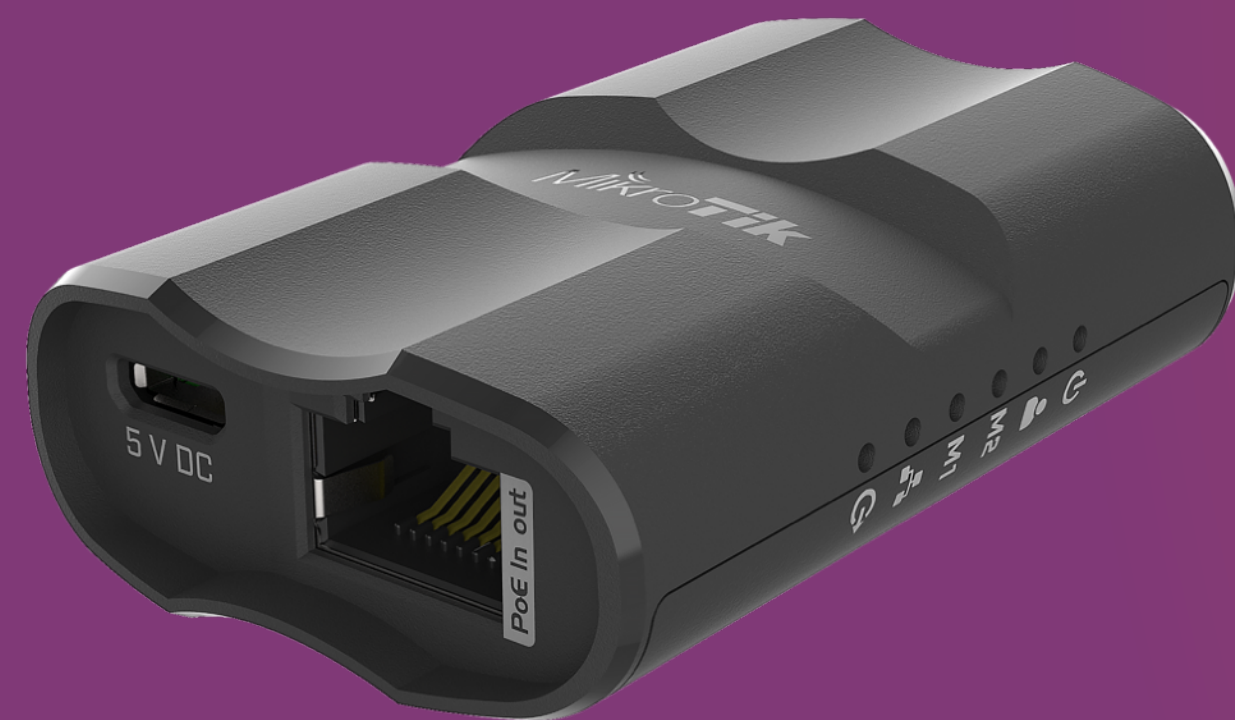
## CENTRAL OFFICE



## REGULAR NETWORK

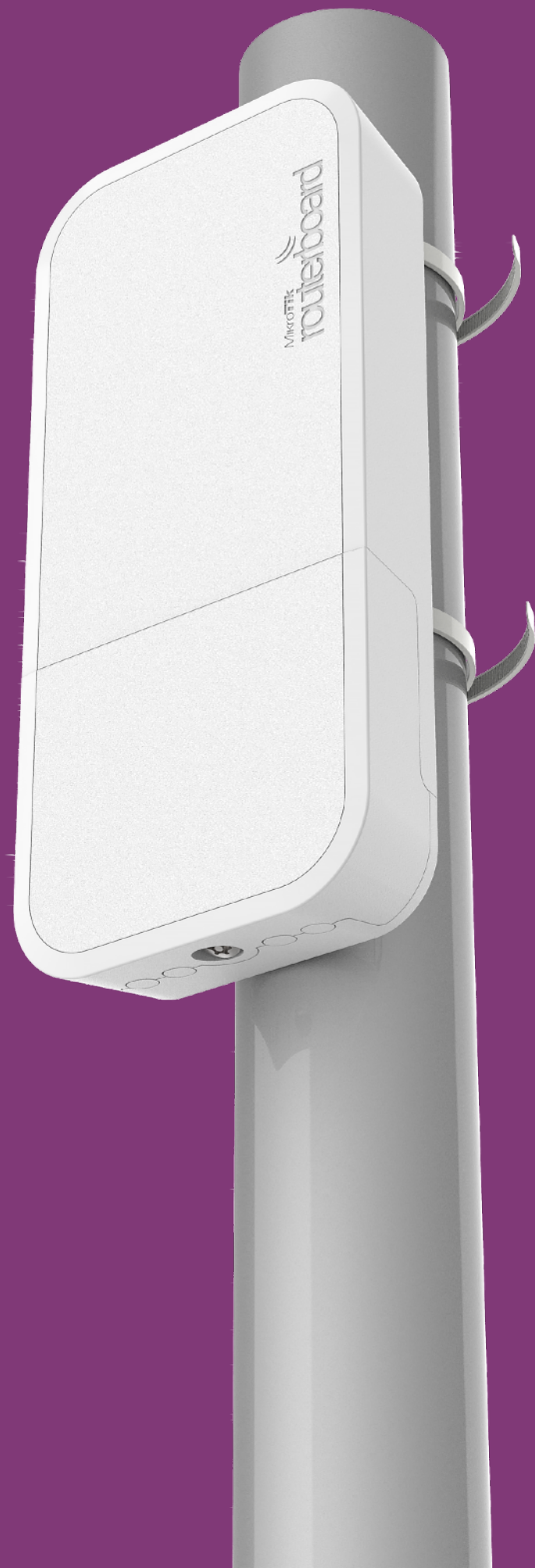


# MQS



- 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

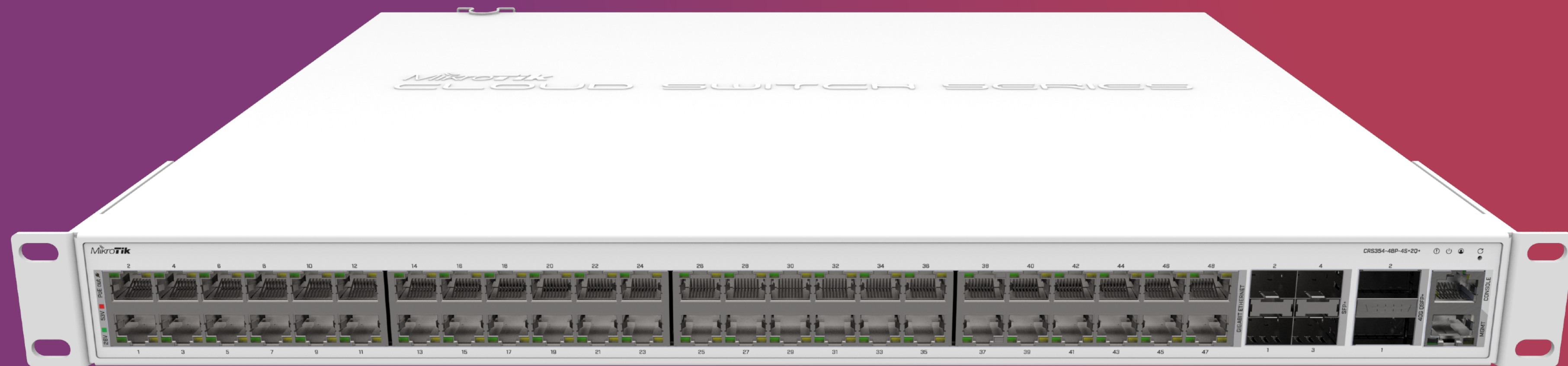
- wAP 2 GHz AP with LoRa gateway
- UDP packet forwarder to any public or private network server
- Integrated 2.5 dBi antenna with external antenna support
- LoRa mPCIe Gateway module available

# mUPS PRO

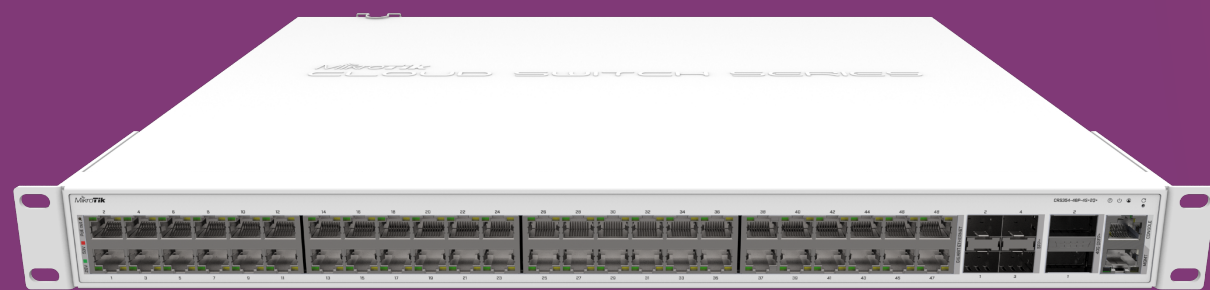


- Same form factor as mUPS
- 12 V/24 V battery support
- 24 V/48 V PoE out support
- Managed through web interface

# CRS354



# CRS354

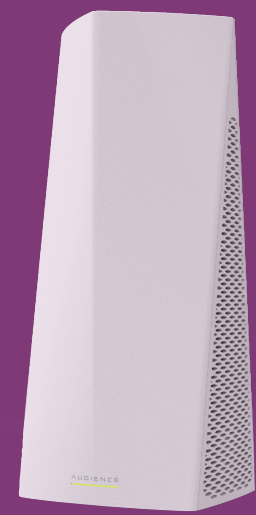


- 48x Gigabit ports
- 4x SFP+ ports
- 2x QSFP+ ports
- 48x PoE out port version



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



# LET YOUR WI-FI SHINE!

Who said you should hide your router in the closet? Bring it out in the open and enjoy faster and smoother signal in your whole home. A router for those who value both beauty and functionality: **Audience.**



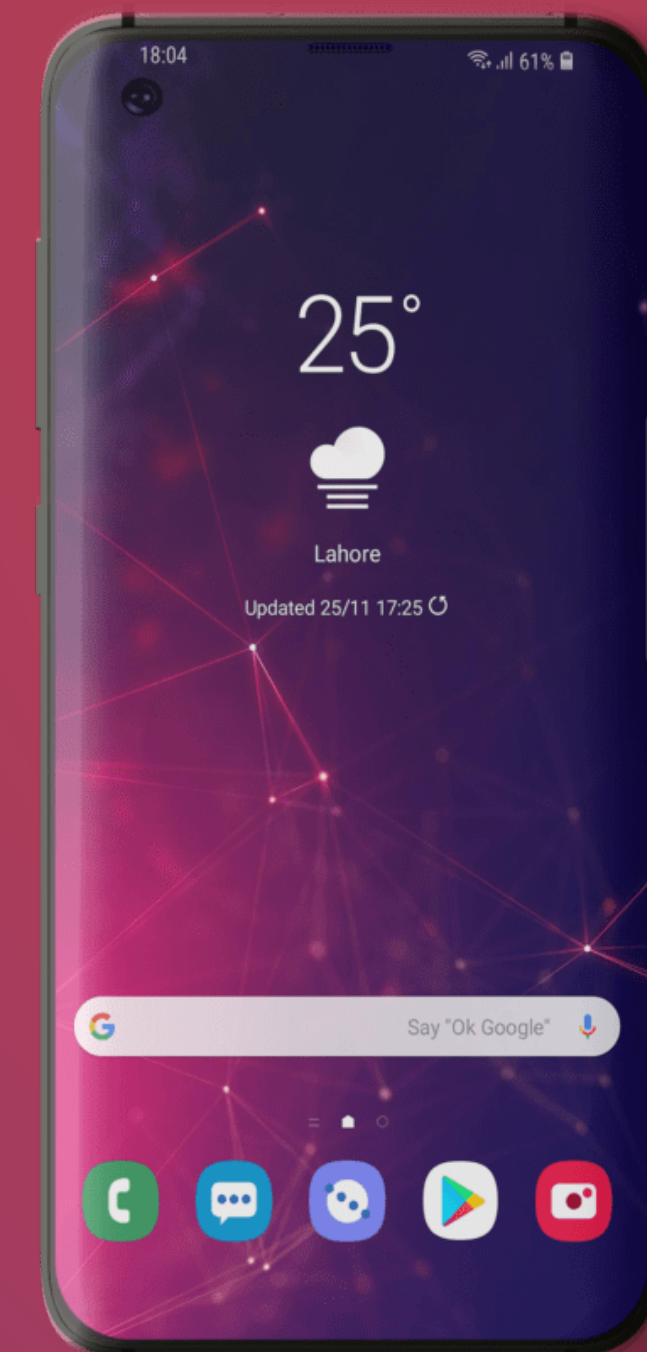


# CCR updates

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



# MikroTik app for mobile



# Newsletter en Español

**MikroTik**

BOLETÍN, NÚMERO 89 - JULIO DE 2019

- Nuevos productos de la serie LtAP
- wAP ac LTE
- LHG 60G
- GPeR
- Productos LoRa
- MikroTik en el Monte Everest y en el espacio
- Calendario MUM 2019

## Presentación de LtAP - Un punto de acceso 4G (LTE) de alta resistencia con soporte GPS

El nuevo LtAP es un punto de acceso inalámbrico compacto 4G (LTE) resistente a la intemperie - perfecto para entornos urbanos concurridos o para redes al aire libre sin conexión a la red. Tiene un módem celular incorporado que soporta conectividad 4G (LTE) - sin necesidad de dispositivos adicionales, funciona de inmediato.

[mt.lv/es89](http://mt.lv/es89)



Scan me

The image features a stylized world map in shades of red and purple, overlaid with a grid of latitude and longitude lines. The Microtik logo is centered in white, consisting of a stylized 'M' icon above the brand name. The background has a dark purple gradient.

**Microtik**