# CRS320-8P-8B-4S+RM

The first MikroTik high-power PoE++ (802.3bt) switch – for easy and cost-effective powering of 4K security cameras, ad panel screens, or even industrial automation systems.

Forget about countless power cables – create a cleaner space with PoE++!



Max power output:
**1150 W!**

17 x

**1 GIGABIT ETHERNET PORTS**

(SUPPORT 10M / 100M / 1G SPEEDS)

4 x

**10 GIGABIT SFP+ PORTS**

(SUPPORT 1G / 2.5G / 10G SPEEDS, depending on module)

Best price per PoE++ port!

**PoE ++ (802.3bt)**

**UP TO 90W PER PORT**

**PSU EXPANSION SLOT**

**CONSOLE PORT**

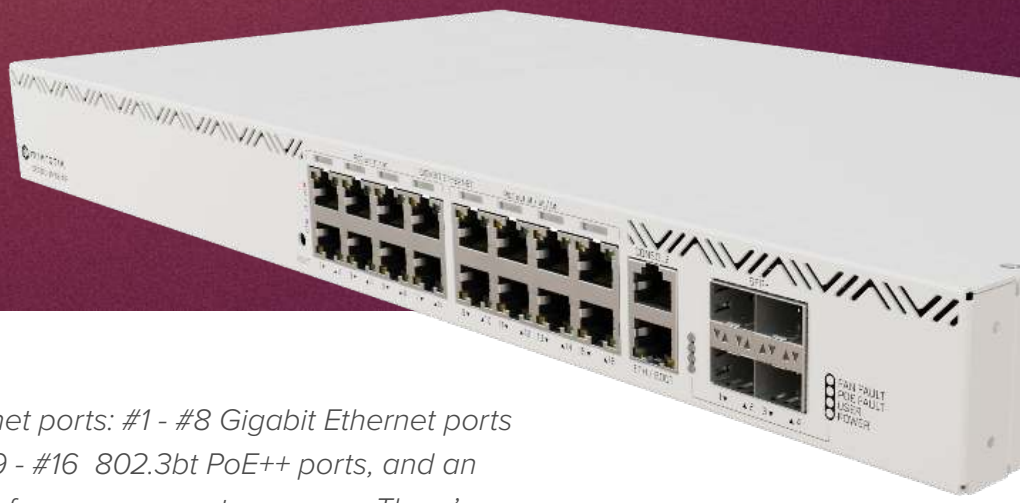
Cable management can get really exhausting. But it doesn't have to. Our first PoE++ or 802.3bt switch can make your cable management so much easier, as it can output enough power for all your hotel, conference hall, office and high-rise building needs!

4K security cameras with built-in winter heating elements, LED ad screens, PoE-powered light fixtures – CRS320 can **output up to 90W per port**, enough even for the most demanding devices! It comes with a reliable 600 W power supply, but we've reserved an expansion slot for an additional PSU, in case you need to raise the power output to 1150 W.



G1483-0600WNB, hot-swap 600 W power supply, available for purchase separately!





> *There are 17 Gigabit Ethernet ports: #1 - #8 Gigabit Ethernet ports with 802.3af/at PoE-out, #9 - #16 802.3bt PoE++ ports, and an extra Gigabit Ethernet port for management purposes. There's also a console port, and four 10G SFP+ fiber ports for uplink.*

At its core, this convenient switch has a phenomenal Marvel switch-chip – the same one you've seen in ISP bestsellers like the netPower 16P and netFiber 9! It can handle the heaviest loads, including VLAN-filtering and hardware-offloaded Layer-3 routing.
If you've been looking for a way to simplify your cable management – this is it! With a single CRS320, you can ditch that endless mess of DC power adapters and start living the clean minimalist PoE dream.



Unlike our previous 802.3af/at Power Sourcing Equipment, **this is our first PoE switch with full implementation of the 802.3af/at/bt standard**. It supports only fully compliant 802.3 at/af/bt Powered Devices - mAP-lite / RB1100AHx4 / CRS510-8XS-2XQ / CRS504-4XQ / FTC11XG / CRS305-1G-4S+OUT. While it can also power "802.3af/at/bt-compatible" Powered Devices, ***you must avoid specific grounding scenarios***. Please refer to the official Help page.

## Specifications

| | |
|---|---|
| Product code | CRS320-8P-8B-4S+RM |
| CPU | Dual-Core 800 MHz |
| CPU architecture | ARM 32bit |
| Size of RAM | 256 MB |
| RAM type | DDR3 |
| Storage | 32 MB, Flash |
| Number of 1G Ethernet ports | 17 (Support 10M / 100M / 1G speeds) |
| Number of 10G SFP+ ports | 4 (Support 1G / 2.5G / 10G speeds, depending on module) |
| Switch chip model | 98DX226S |
| Operating system | RouterOS v7 only, License level 5 |
| Dimensions | 444 x 235 x 44 mm |
| Operating temperature | -10°C to +50°C |

## Powering

| | |
|---|---|
| Number of AC inputs | 1 |
| Nominal current | 10.35 A |
| Max current | 11 A |
| AC input range | 100-240 V |
| Frequency | 50-60 Hz |
| PoE-out | 802.3af/at/bt |
| Smart PoE | Controller |
| PoE-out ports | Ether1-Ether8 (af/at), Ether9-Ether16 (bt) |
| Max out per port output (input > 30 V) | 560 (af/at) / 1667 (bt) mA |
| Max total out | 17.82 A |
| Total output power | 963 W |
| Total output current | 17.82 A |
| Max power consumption (without attachments) | 36 W |
| Max power consumption | 600 W (1150 W with additional PSU) |

## Included parts



Power cord



Fastening set



Rackmount ears