



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

The first MikroTik high-power PoE++ (802.bt) 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!**



Best price per  
PoE++ port!



Up to 90W  
per port



PoE++  
(802.bt)



17x Gigabit  
Ethernet ports



Console  
port



PSU expansion  
slot



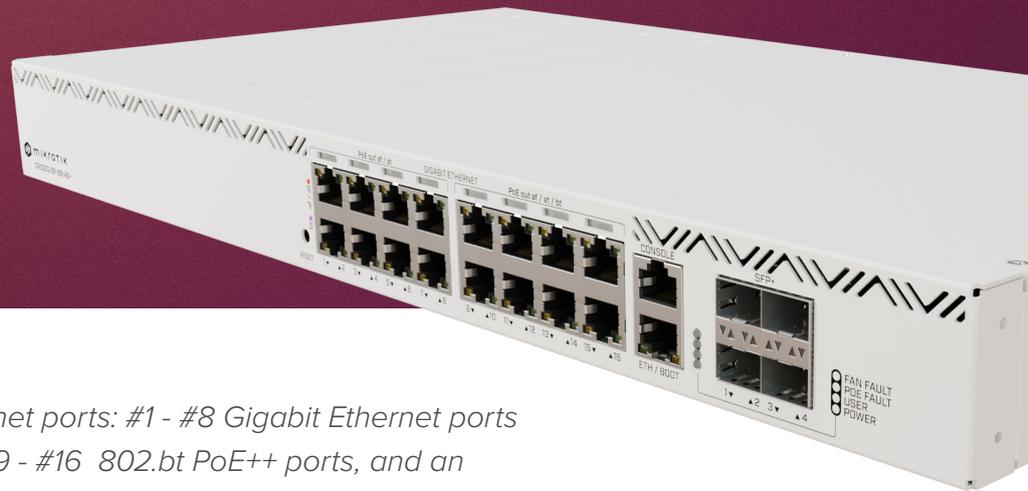
4x 10G SFP+  
for uplink

Cable management can get really exhausting. But it doesn't have to. Our first PoE++ or 802.bt 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.bt 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/bt-compatible” products, **this is our first PoE switch with full implementation of the 802.3af/at/bt standard.** It is designed to power devices with Isolated Power Delivery. While it can also power low-voltage and “802.3af/at/bt-compatible” Power Delivery 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                                |
| Number of 10G SFP+ ports    | 4                                 |
| 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                       | 1150 W                                     |

## • Included parts



Power cord



Fastening set



Rackmount ears