MIKROTIK

RB5009UPr+S+OUT

An outdoor version of our best-selling heavy-duty PoE router.
Extensive power redundancy for the best price!

PoE-In & PoE-Out
ON ALL PORTS

IP66
WATERPROOF

7X GIGABIT ETHERNET PORTS

ONE 2.5 GIGABIT ETHERNET

POWERFUL QUAD-CORE CPU

9 POWERING OPTIONS
(INCLUDING A 2-PIN TERMINAL!)

10G SFP+

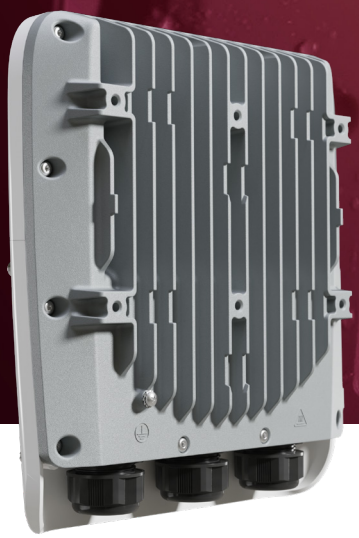
1GB DDR4 RAM

1GB NAND

ROUTEROS V7

As a network administrator, you never know when the next windstorm, lightning, flood, heatwave, or a power outage will strike. But with the right tools you can protect your network from most troubles! Here's our wishlist for the perfect tool:

- easy to deploy
- works well in ANY weather
- provides extensive power redundancy
- can be connected via most common networking interfaces
- has a CPU that is strong enough to take full advantage of the most powerful networking software in the world – RouterOS v7
- doesn't cost a fortune



Adding an IP66-rated waterproof enclosure to the RB5009 series allowed us to meet all the requirements! The brand new RB5009UPr+S+OUT is a compact, cost-effective solution that will revolutionize your network tower setups. You're getting one of the most powerful outdoor networking devices for the best price on the market!

Like the indoor version, this RB5009 has 7x Gigabit Ethernet ports, one 2.5 Gigabit Ethernet port, a 10G SFP+ cage, and a full sized USB3 port!

When we say "extensive power redundancy", we really mean it: the unit offers **9 possible ways of powering**. There's a **2-pin power connector** on the front, as well as **PoE-in and PoE-out on all eight Ethernet ports**. The board can use any of these sources to power itself, choosing the one with the highest voltage when multiple sources are available. RB5009 takes up to 21W to power itself. If you're using PoE-in, the board will stay on even if 8 of your 9 power sources suddenly go down. **Unprecedented redundancy!**

All power options support **a wide voltage range of 24 – 57 V**. However, you can not mix the voltages.

Each PoE-out port can supply up to 25W of power. All the ports combined are limited to 130W, which should be enough for most setups. You can specify maximum available power from your power sources manually, if necessary. If you're using PoE-out to power other devices, you have to provide power via the 2-pin connector to power those.

This product also features single voltage PoE-out – it can either be 802.3at/af compatible OR low-voltage PoE-out. That is determined by the voltage on the 2-pin connector, as no voltage conversion is done on this board.

When it comes to processing power and available use-cases, this router can do it all:
- PPPoE termination
- DHCP to customers
- Local Queuing
- MPLS Push/Pop/Swap and MPLS Forwarding
- VPLS/VXLAN Termination
- Hardware bridging, and so much more!

Compatible with the MTP250 26V and 53V outdoor power supplies!

The RB5009 series keep redefining **affordable reliability for small, medium, and even large ISPs!**

Specifications

Product code	RB5009UPr+S+OUT
CPU	Quad-Core 88F7040 1.4 GHz
CPU architecture	ARM 64bit
Size of RAM	1 GB
RAM type	DDR4
Storage	1 GB, NAND
Number of 1G Ethernet ports	7
Number of 2.5G Ethernet ports	1
Number of 10G SFP+ ports	1
USB	1 USB 3 type A
Operating system	RouterOS v7, License level 5
Switch chip model	88E6393
Dimensions	222 x 239 x 57 mm
Operating temperature	-40°C to +70°C

Powering

PoE-in	802.3af/at
PoE-Out	802.3af/at Same voltage as supplied via 2-pin terminal - Passive PoE or 802.3af/at Compatible (if 44–57V PSU used)
PoE-Out ports	Ether1 - Ether8, max out per port output (input < 30 V): 900 mA, max out per port output (input > 30 V): 440 mA
Smart PoE	Controller
Max total out	2.59 A
Total output power	130 W
Total output current	2.28 A
Number of DC inputs	2
Supported input voltage	24-57 V (PoE in) 24-57 (2-pin terminal)
2-pin specifications	5.08mm 1x2pin
Max power consumption (without attachments)	15 W
Max power consumption	150 W

Included parts

Hose clamp

Fastening set

Screw set