# MikroTik

# RB5009UG+S+IN

## The ultimate heavy-duty home lab router

*You can mount FOUR of these routers
in a single 1U rackmount space!*

| | | | | | |
|---|---|---|---|---|---|
| 7x Gigabit Ethernet ports | | 1x 2.5 Gigabit Ethernet port | | 10G SFP+ | |
| Durable metallic case | | Powerful quad-core CPU | | 1 GB DDR4 RAM | |
| 1 GB NAND | | RouterOS v7 | | Multiple powering options | |

## Double the usual performance

We took your feedback from the MikroTik User Meetings to create the perfect home lab router: compact, powerful, with multiple powering options and efficient cooling. RB5009 has it all, and even more!

The board features 9 wired ports and a full-sized USB 3.0. Seven of the ports are Gigabit Ethernet, another one is 2.5 Gigabit Ethernet, and the last one is a 10G SFP+ cage. All the ports are connected to a powerful Marvell Amethyst family switch-chip with a 10 Gbps full-duplex line leading to the Marvell Armada Quad-core ARMv8 1.4 GHz CPU. **Both CPU and the switch-chip are located on the bottom of the board – so the case acts as a massive heat-sink!**

RB5009UG+S+IN can be powered in 3 different ways:
a) PoE-in from Ethernet port #1  b) DC Jack
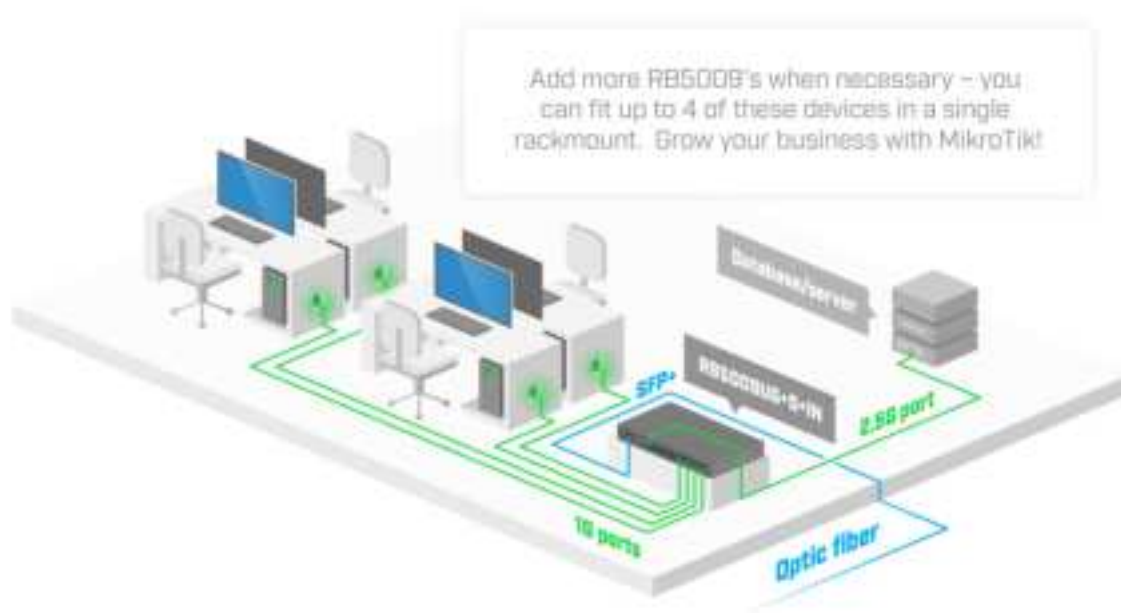c) 2-pin terminal on the side

Boards come with 1GB of DDR4 RAM and 1GB NAND storage. This combination of ports and components, compared to our other products in a similar form factor, provides almost double the performance in configurations with heavy CPU loads.

Unprecedented processing power in such a small form factor.

With a simple set of mounting accessories, you can mount FOUR of these routers in a single 1U rackmount space! No more server-room-Tetris, just pure productivity.

Add more RB5009's when necessary – you can fit up to 4 of these devices in a single rackmount. Grow your business with MikroTik!

## Specifications

| | |
|---|---|
| Product code | RB5009UG+S+IN |
| CPU | 88F7040 1.4 GHz |
| CPU architecture | ARM 64bit |
| CPU core count | 4 |
| 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 port | 1 (3.0 type A) |
| Operating system | RouterOS (License level 5) |
| Switch chip model | 88E6393 |
| Dimensions | 220 x 125 x 22 mm |
| Operating temperature | -40°C to +60°C |

# Powering

| | |
|---|---|
| PoE-in | 802.3af/at |
| Number of DC inputs | 3 |
| Supported input voltage | 24-57 V (PoE in) 24-57 V (DC jack) 24-57 (2-pin terminal) |
| Power adapter nominal voltage | 24 V |
| Power adapter nominal current | 1.5 A |
| Max power consumption (without attachments) | 14 W |
| Max power consumption | 20 W |

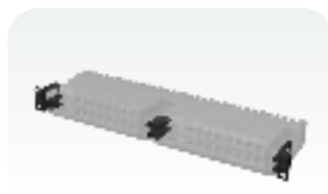# Certification & Approvals

| | |
|---|---|
| Certification | CE, FCC, IC |

# Included parts

24 V 1.5 A
power adapter

Fastening
set

# Optional accessory

Rackmount
kit K-79