

MIKROTIK RB 450GX4 DATASHEET

Overview

The MikroTik RB450Gx4 is a high-performance Ethernet router with a quad-core ARM CPU and Gigabit Ethernet ports, designed for small to medium-sized networks like enterprise, ISP, and SOHO setups. Powered by RouterOS, it offers excellent routing throughput, robust hardware, and scalable, reliable connectivity for demanding environments.

QUICK SPEC

FIGURE 1: APPEARANCE OF MIKROTIK RB 450GX4



TABLE 1: QUICK SPECS OF MIKROTIK RB 450GX4

SKU	RB 450GX4
License Level	5
Ports	5 (10/100/1000 Ethernet ports)
Dimensions	90 x 115 mm

FIGURE 2: FRONT PANEL OF MIKROTIK RB 450GX4



MIKROTIK RB 450GX4 provides these features:

1. Five Gigabit Ethernet Ports

The RB450Gx4 features five Gigabit Ethernet ports with auto-MDI/X support, providing flexible and high-speed connectivity options. These ports allow for easy integration into various network setups, ensuring reliable and fast data transfer for devices in small to medium-sized networks.

2. Quad-core ARM 1.6 GHz CPU

The MikroTik RB450Gx4 is equipped with a powerful quad-core ARM CPU clocked at 1.6 GHz, enabling rapid data processing and efficient multitasking. This high-performance processor ensures the router can handle complex network tasks, making it ideal for demanding environments requiring seamless operation across multiple applications.

3. RouterOS Level 5 License

With a RouterOS Level 5 license, the RB450Gx4 supports advanced networking features such as dynamic routing, robust firewall configurations, VPN capabilities, and Quality of Service (QoS) management. This comprehensive software empowers users to customize and optimize their network for enhanced security and performance.

4. 512 MB NAND Memory and microSD Card Slot

With 512 MB of NAND storage for the operating system and a microSD card slot for expandable storage, the RB450Gx4 supports additional data logging, configuration backups, or custom scripts. This enhances its flexibility for advanced users needing persistent storage beyond standard RAM capabilities.



5. Flexible Power Options

The RB450Gx4 supports versatile power inputs ranging from 12–57 V DC, including both PoE input and output capabilities. This flexibility simplifies deployment in various setups, allowing the router to power other devices or be powered via PoE, enhancing its adaptability in diverse network configurations.

SPECIFICATION

Mikrotik (RB 450GX4) Specification	
MODEL NUMBER	RB 450GX4
OPERATING SYSTEM	RouterOS
DIMENSIONS	90 x 115 mm
CPU	IPQ-4019
CPU CORE COUNT	4
CPU NOMINAL FREQUENCY	716 MHz
MICROSD SLOT	1
LICENSE LEVEL	5
SIZE OF RAM	1 GB
PORTS	5 (10/100/1000 Ethernet ports)
STORAGE	2 MB Flash, 512 MB NAND
SERIAL PORT	RS232
SUPPORTED INPUT VOLTAGE	10 - 57 V (two DC jacks), 12 - 57 V (PoE-in)
POWER CONSUMPTIONS	5 W
PoE in	802.3af/at
PoE out	Passive PoE
OPERATING TEMPERATURE	-40°C to +70°C tested

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