Mikrotik RB931-2nd DATASHEET

Overview

The MikroTik RB931-2nd, also known as hAP mini, is a compact and versatile 2.4 GHz wireless access point designed for home and small office environments. It is powered by a 650 MHz single-core CPU with 32 MB RAM and runs on RouterOS with a Level 4 license, enabling advanced networking features. The device includes three 10/100 Mbps Ethernet ports, which can be flexibly configured as one internet and two LAN ports. Its dual-chain 2.4 GHz Wi-Fi supports 802.11b/g/n standards with a maximum wireless speed of 300 Mbps. The built-in antennas provide 1.5 dBi gain for reliable short-range wireless coverage. RB931-2nd is energy efficient with a maximum power consumption of 3.5W and features passive cooling. Its compact dimensions (48 x 78 x 81 mm) allow for easy placement in constrained spaces. This device is ideal for users seeking a cost-effective and feature-rich wireless router for basic network needs.

QUICK SPEC

FIGURE 1: APPEARANCE OF Mikrotik RB931-2nd

TABLE 1: Quick Specs

SKU	Mikrotik RB931-2nd
Backplane speed	
Throughput	
Ports	3 x 10/100 Mbps Fast Ethernet ports
Dimensions (W x H x D)	48 x 78 x 81 mm

Product Details

FIGURE 2: FRONT PANEL OF Mikrotik RB931-2nD

FIGURE 3: BACK PANEL OF Mikrotik RB931-2nD

Mikrotik RB931-2ndSwitch provides these features:

1.CPU - QCA9533, Single-core 650 MHz

The CPU processes all routing and wireless tasks efficiently for small networks, providing reliable performance for typical home or small office environments.

2.RouterOS License Level 4

It supports advanced networking features such as firewall, VPN, QoS, VLAN, and hotspot with unlimited interfaces. It allows up to 200 active tunnels and 200 hotspot users, catering to complex routing and secure network management needs in small to medium setups.

3.Wireless - 2.4 GHz Dual Chain, 802.11b/g/n

It supports Wi-Fi 4 standards with dual antennas for better range and wireless speed up to 300 Mbps, suitable for everyday internet use in limited coverage areas.

4.Ethernet Ports - 3 x 10/100 Mbps

It provides flexible wired connectivity with ports configurable as one WAN and two LAN ports, enabling wired device connections such as desktops or IPTV devices.

5.Power Input - 5V via MicroUSB

It uses a common power source readily available in most homes, simplifying installation and reducing the need for specialized power adapters.

6.Low Power Consumption - Max 3.5 Watts

It ensures energy efficiency, suitable for continuous operation without significant electricity costs or heat generation.

SPECIFICATION

RB341-2nD SPECIFICATION	
Model	RB341-2nD
Architecture	SMIPS
CPU	QCA9533
CPU core count	1
CPU nominal frequency	650 MHz
Switch chip model	QCA9533-BL3A
RouterOS license	4
Operating System	RouterOS

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Size of RAM	32 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 100'000 hours at 25C
Tested ambient temperature	-20°C to 60°C
Wireless capabilities • Wireless 2.4 GHz Max data rate • Wireless 2.4 GHz no. of chains • Wireless 2.4 GHz standards • Antenna gain dBi for 2.4 GHz • Wireless 2.4 GHz chip model • Wireless 2.4 GHz generation	• 300 Mbit/s • 2 • 802.11b/g/n • 1.5 • QCA9533 • Wi-Fi 4
Wireless specifications 2.4 GHz • 1MBit/s • 11MBit/s • 6MBit/s • 54MBit/s • MCS0 • MCS7	Transmit (dBm) Receive Sensitivity • 22 -96 • 22 -89 • 20 -93 • 18 -74 • 20 -93 • 16 -71
10/100 Ethernet ports	3
MicroUSB input Voltage	5 V
Number of DC inputs	1 (MicroUSB)
Max power consumption	3.5 W
Cooling type	Passive
Certification	FCC, IC

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MIKROTIK

Insight Technology

Why Insight Infosys.com

We design and deploy full-stack ICT architectures — from edge to core, on-prem to cloud with a focus on networking, virtualization, cloud services, and cybersecurity services.

Since 2010, we have built partnerships with global leaders like:

Cisco - Juniper - MikroTik - Cambium - Fortinet - SonicWall - Palo Alto - Sophos - Aruba - Ubiquiti - Mimosa

What Sets Us Apart:

1500 + Completed Projects

250 + Trusted Clients

Partners With Global Leading Tech Vendors

Competitive Affordable Pricing

24/7 Tech Support

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