

## **NET ROUTER IOT GATEWAY/RB924I 2ND-BT5&BG77 MIKROTIK**



Model: RB924I-2ND-BT5&BG77

Manufacturer: MIKROTIK

EAN: 4752224007131

Product Code: 194295

## **R1,911**

The newest addition to the MikroTik IoT product family - KNOT - is a truly universal device with exceptional connectivity options and protocol support. It is an IoT Gateway that uses Narrow Band and CAT-M technology. Because of the low cost, low bandwidth cellular connection, it is supported by countless mobile operators around the globe.

KNOT can monitor onboard GPIOs, convert Modbus protocol to TCP, and even forward Bluetooth packets to TCP/IP network via HTTPS and MQTT.

You can use the KNOT as a TCP bridge from wired Modbus sensors to send readings to a Modbus server. Yes, the KNOT brings wireless connectivity to wired sensors, such as electricity meters and relays.

It could be used as a backup connection for the Ethernet or as a management channel for your

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network. NB/CAT-M monthly plan is much cheaper than LTE. Why spend extra money on bandwidth you don't need? For example, you can manage a KNOT-powered vending machine with temperature and liquid sensors with only a few megabytes per day!

KNOT features so many protocol support and connectivity options:

2.4 GHz wireless, Bluetooth, 2x 100 Mbps Ethernet ports with PoE-in and PoE-out, Micro-USB.  
Maximum convenience at the lowest cost!

With the Bluetooth interface, you can use the KNOT for asset tracking and telemetry based on Bluetooth advertisement packets. KNOT supports any BLE tag that sends advertisement data. iBeacon, Eddystone or any other format.

It has powerful filters for forwarding only relevant packets and ignoring others.

KNOT is a great tool for most outdoor cabinet IoT applications as well. It comes with a DIN rail mount that allows easy integration with all kinds of setups: from agriculture and asset tracking to cold chain monitoring, industrial manufacturing, and so on.

Bring flexible low-cost connectivity to the most remote or tricky areas with the MikroTik KNOT!

Summary: Mikrotik RB924I-2ND-BT5&BG77. Product colour: White, Mounting type: DIN-rail, International Protection (IP) code: IP20. Antenna gain level (max): 1.5 dBi. Processor model: QCA9531, Processor frequency: 650 MHz, Internal memory: 64 MB. Ethernet LAN data rates: 10,100 Mbit/s, Forwarding rate: 300 Mpps, Networking standards: IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.3af, IEEE 802.3at. SIM card type: NanoSIM, Serial interface type: RS-485 | Vendor Homepage: <https://mikrotik.com/product/knot#fndtn-specifications> | International Protection (IP) code: IP20 | Mounting type: DIN-rail | Product colour: White | Antenna gain level (max): 1.5 | Built-in processor: Yes | Flash memory: 16 | Internal memory: 64 | Number of processors installed: 1 | Processor frequency: 650 | Processor model: QCA9531 | Bluetooth: Yes | Bluetooth version: 5.2 | Cabling technology: 10/100Base-T(X) | Ethernet LAN data rates: 10/100 | Forwarding rate: 300 | Networking standards: IEEE 802.11a/IEEE 802.11b/IEEE 802.11g/IEEE 802.11n/IEEE 802.3af/IEEE 802.3at | Top Wi-Fi standard: Wi-Fi 4 (802.11n) | Wi-Fi: Yes | Wi-Fi band: Single-band (2.4 GHz) | Wi-Fi standards: 802.11b/802.11g/Wi-Fi 4 (802.11n) | Wireless connection: Yes | WLAN data transfer rate

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(max): 300 | WLAN data transfer rates supported: 300 | Ethernet LAN (RJ-45) ports: 2 | Micro-USB 2.0 ports quantity: 1 | Serial interface type: RS-485 | SIM card slot: Yes | SIM card type: NanoSIM | Power consumption (typical): 18 | Power over Ethernet (PoE): Yes | Compatible operating systems: RouterOS | Depth: 87 | Height: 26 | Width: 122 | Operating temperature (T-T): -40 - 70 | Certification: CE, FCC, IC, EAC, ROHS | Harmonized System (HS) code: 85176990 | Product model code: KNOT // RB924i-2nD-BT5&BG77 | Units per Pallet: 0 | Units per Shipping Box: 1 | Unit Calculated Volume: 0.03318 | Product Net Weight: 0.35 | Unit Calculated Weight: 9.3

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