ITWorkup - Level up your IT!
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NET ROUTER IOT GATEWAY LR9G/2NDBT5&BG770A&F MIKROTIK

Model: RB924IR-2ND-BT5&BG770A&R11E-LR9G

Manufacturer: MIKROTIK

EAN: 4752224010056

Product Code: 406767

R3,738 ~~R4,015~~

An industrial-grade IoT gateway for smart asset tracking, remote monitoring, and efficient automation – now with enhanced LoRa® reception, concurrent GPS + LTE CAT-M, and a lower price. This is the 915 MHz version.

Smart IoT Connectivity That Just Works

The KNOT LR9G is a compact, out-of-the-box gateway for LoRa®-based networks, designed to bring affordable, reliable connectivity to even the most remote or infrastructure-light environments. It supports LTE CAT-M1 and NB2, Bluetooth 5.2, 2.4 GHz Wi-Fi, GPS, and Ethernet with PoE, making it a flexible centrepiece for any IoT deployment.

CAT-M1 and NB2 mobile internet connectivity allows you to save tons of money and remotely monitor and manage equipment without needing high-cost data plans or full LTE coverage.

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Whether you’re tracking high-value assets across a hospital, managing a vending machine in a shopping mall, or monitoring sensors in an agricultural field – the KNOT LR9G ties everything together and keeps everything connected.

Concurrent GPS and LTE CAT-M

Track assets in motion with precise GPS while maintaining a live LTE CAT-M1 connection. Ideal for mobile units like service vehicles, containers, or roaming field equipment

Improved 915 MHz LoRa® Reception

Enhanced sensitivity for stronger signal and longer range, even in interference-heavy environments.

Versatile Powering

Choose from PoE-in, DC jack, or MicroUSB – including PoE-out on Ether2 for powering other devices

Lower Price, Same Reliability

Cost-effective for large-scale deployments without sacrificing performance.

SMA Female Connectors for All Main Interfaces

Easy antenna setup for LTE, GPS, and LoRa®

Powered by RouterOS v7

Full control, custom scripting, and advanced routing features.

Practical Use Cases

Hospital Asset Tracking

Attach Bluetooth beacons to critical medical equipment. Install a KNOT LR9G in each storage area. As gear moves, KNOT detects nearby tags, tracks location via GPS, and sends updates over LTE CAT-M – keeping inventory up-to-date and reducing manual audits.

Cold Chain Monitoring

Use wired Modbus sensors to monitor temperature and humidity inside refrigerated containers. KNOT converts Modbus to TCP and forwards data securely via MQTT or HTTPS, using low-bandwidth LTE or NB-IoT

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Agriculture & Remote Sites

Deploy KNOT to gather soil or weather sensor data in rural fields. Its wide band support, LoRa® reception, GPS compatibility make it ideal for long-range, low-power data collection.

Industrial Automation

Bridge legacy wired sensors and actuators to the cloud. With DIN rail support and GPIO monitoring, KNOT easily integrates into industrial cabinets or manufacturing environments

Lightweight, Powerful, Cost-Effective

At just 6W consumption and small footprint (122 × 87 × 26 mm), the KNOT LR9G is perfect for deployments where space, power, and budget are limited – but performance can’t be.

- LoRa® 915MHz
- CAT-M/NB technology
- 2.4 GHz wireless
- RS485/Modbus
- 2x 100 Mbps Ethernet ports
- PoE-in & PoE-out
- GNSS
- GPIO
- Bluetooth

Summary: Mikrotik KNOT LR9G kit. Product colour: White, Mounting type: DIN-rail/Wall mounting, International Protection (IP) code: IP20. Mean time between failures (MTBF): 200000 h. Processor manufacturer: Qualcomm, Processor model: QCA9531, Processor frequency: 650 MHz. Ethernet LAN data rates: 10,100 Mbit/s, Networking standards: IEEE 802.3af, IEEE 802.3at, Wi-Fi band: Single-band (2.4 GHz). SIM card type: NanoSIM, Serial interface type: RS-485 | Vendor Homepage: https://mikrotik.com/product/knot_lr9g_kit | Montavimo tipas: DIN bėgelis / tvirtinimas prie sienos | Produkto spalva: Balta | Tarptautinės apsaugos (IP) kodas: IP20 | GPS (palydovinis): Taip | Vidutinis laikas tarp trikčių (MTBF): 200000 | Valdiklio vaizdavimo įrenginys: Ne | Integruotas procesorius: Taip | Procesoriaus gamintojas: „Qualcomm“ | Procesoriaus modelis: QCA9531 | Procesoriaus dažnis: 650 | Vidinė atmintis: 64 | Flash atmintis: 128 | Eterneto LAN duomenų perdavimo norma: 10/100 | Tinklo standartai: IEEE 802.3af/IEEE 802.3at | „Wi-Fi“: Taip | „Wi-Fi“ dažnių juosta: Viena juosta (2,4 GHz) | „Wi-Fi“ standartas: Wi-Fi 4 (802.11n) | Wi-Fi standartai: 802.11b/802.11g/Wi-Fi 4 (802.11n) | WLAN

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duomenų perdavimo sparta (maks.): 300 | Bluetooth: Taip | Bluetooth versija: 5.2 | Mobiliojo tinklo generavimas: 4G | 4G antenna connector: Taip | Kabelių technologija: 10/100Base-T(X) | Mikro-USB 2.0 prievadų skaičius: 1 | SIM kortelės anga: Taip | SIM kortelės tipas: „NanoSIM“ | DC įėjimo lizdas: Taip | Ethernet LAN (RJ-45) portų kiekis: 2 | Nuosekliosios sąsajos tipas: RS-485 | Atstatymo mygtukas: Taip | Galios suvartojimas (maks.): 23 | Įėjimo įtampa: 12 - 57 | Maitinimas per Eternetą (PoE): Taip | Numatyta operacinė sistema: RouterOS | Aukštis: 26 | Ilgis: 87 | Plotis: 122 | Instrukcija: Taip | Kintamosios srovės adapteris: Taip | Pridėti kabeliai: OTG | Darbo temperatūros diapazonas (TT): -40 - 70 | Atitikties sertifikatai: EAC/Federalinė ryšių komisija (FCC)/Industry Canada (IC) | Bruto svoris: 0.47 | Neto svoris: 0.44 | Vienetų skaičius vienoje siuntimo dėžėje: 20 | Vieneto plotis: 11.5 | Vienetų skaičius ant paletės: 0 | Shipping Box Height: 26 | Vieneto gylis: 23.5 | Vieneto aukštis: 5 | Name: NET ROUTER IOT GATEWAY LR9G/2NDBT5&BG770A&R11ELR9 MIKROTIK | Model: KNOT LR9G kit

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