

# RUTM50

## CELLULAR 5G ROUTER



RUTM50 360° VIEW

RUTM50 is an FCC-certified Teltonika Networks cellular 5G router for North America, with ultra-high cellular speeds of up to 3.4 Gbps. This dual SIM router has auto-failover and backup WAN and supports both SA and NSA 5G architectures. It is also backward compatible with 4G (LTE Cat 19/18), making it perfect for future-proofing your industrial networking solutions.



### 5G

Ultra-high cellular speeds of up to 3.4 Gbps

### DUAL SIM

Auto-failover, backup WAN, and other switching scenarios

### SA & NSA

Supports both SA & NSA 5G architectures

### FUTURE-PROOFING

Backward compatible with 4G (LTE Cat 19/18)



# RMS

REMOTE  
MANAGEMENT  
SYSTEM

# COMPATIBLE WITH RUTM50

# KEY FEATURES

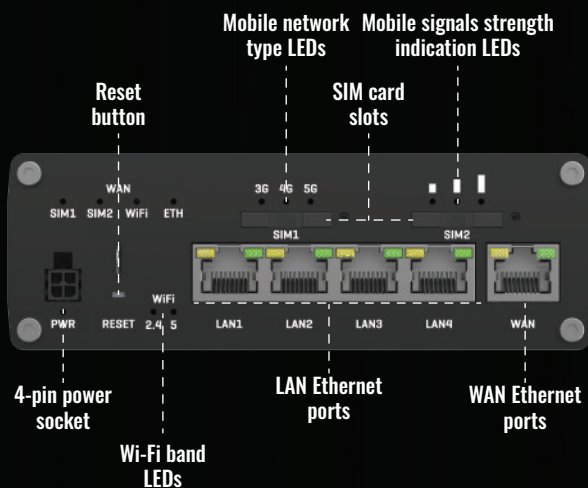
## HARDWARE

|                        |   |
|------------------------|---|
| Mobile                 | 5G Sub-6 GHz SA, NSA 2.4, 3.4Gbps DL (4x4 MIMO) 900, 550Mbps UL (2x2 MIMO); 4G (LTE): DL Cat 19 1.6Gbps (4x4 MIMO), UL Cat 18 200Mbps                   |
| CPU                    | MediaTek MT7621A, Dual-Core, 880 MHz, MIPS1004Kc  |
| RAM                    | 256MB DDR3  |
| Storage                | 16MB serial NOR flash, 256MB serial NAND flash  |
| Powering options       | 4-pin industrial DC power socket, 9 – 50 VDC  |
| SIM                    | 2 x SIM slot (Mini SIM – 2FF), 1.8 V, 3 V   |
| Antenna connectors     | 4 x SMA for Mobile, 2 x RP-SMA for Wi-Fi, 1 x SMA for GNSS  |
| Ethernet               | 5x 10/100/1000 RJ45 ports: 1 x WAN port (configurable as LAN), 4 x LAN port   |
| Wi-Fi                  | 802.11b, g, n, ac Wave 2 (Wi-Fi 5) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)   |
| GNSS                   | GPS, GLONASS, BeiDou, Galileo and QZSS  |
| Inputs/Outputs         | 1 x Digital Input, 1 x Digital Output on 4-pin power connector  |
| Other                  | 1 x USB A port for external devices, 1 x Grounding screw  |
| Status LEDs            | 3 x connection status LEDs, 3 x connection strength LEDs, 10 x Ethernet port status LEDs, 4 x WAN status LEDs, 1x Power LED, 2 x 2.4G and 5G Wi-Fi LEDs |
| Operating temperature  | -40 °C to 75 °C   |
| Housing                | Aluminium housing, DIN rail (can be mounted on two sides), flat surface placement   |
| Dimensions (W x H x D) | 132 x 44.2 x 95.1 mm  |
| Weight                 | 519 g   |

## SOFTWARE

|                                |   |
|--------------------------------|---|
| Operating system               | RutOS (OpenWrt based Linux OS)  |
| Mobile features                | Auto APN, SIM switch, Call, SMS, USSD, Black/White list, Multiple PDN, Band management, Mobile module, Status, Bridge, Passthrough                        |
| Network features               | Routing, Firewall, QoS / Smart Queue Management (SQM), Load balancing, Connection monitoring, VoIP passthrough support, DHCP, DDNS, Network backup, SSHFS |
| Monitoring and Management      | WEB UI, FOTA, TR-069, SNMP, JSON-RPC, MQTT, SMS, Call, SSH, MODBUS, RMS   |
| VPN and tunneling              | OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc  |
| Cloud solutions                | RMS, Cloud of Things, ThingWorx, Cumulocity, Azure IoT Hub  |
| Wireless Connectivity Features | Wireless mesh (802.11s), fast roaming (802.11r), Relayd   |
| Hotspot                        | Captive portal, External/Internal Radius, SMS OTP, MAC authentication, Walled Garden  |
| GNSS                           | NMEA, NTRIP, Server software (TAVL, RMS), Geofencing  |

### FRONT VIEW



### BACK VIEW

