

RUTM30

COMPACT 5G ROUTER



RUTM30 360° VIEW

The RUTM30 is a compact dual-SIM multi-network router with eSIM™, offering 5G mobile connectivity for high-speed and data-heavy applications. Together with two Gigabit Ethernet ports and dual-band Wi-Fi, it provides data connection redundancy with auto-failover. Backward compatibility and multiple interfaces allow for long-term expandability and upgrading options. The RUTM30 is an excellent fit in various IoT and M2M solutions that require high-speed connectivity, easy setup, reliable network, and remote accessibility.



CONNECTIVITY

5G, 4G Cat19, 3G

DUAL SIM

With auto failover, backup WAN, and other switching scenarios

eSIM™

Seamless connectivity with eSIM™ SGP.22

SA & NSA

Supports both architectures to leverage the 5G infrastructure



RMS

REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH RUTM30

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

KEY FEATURES

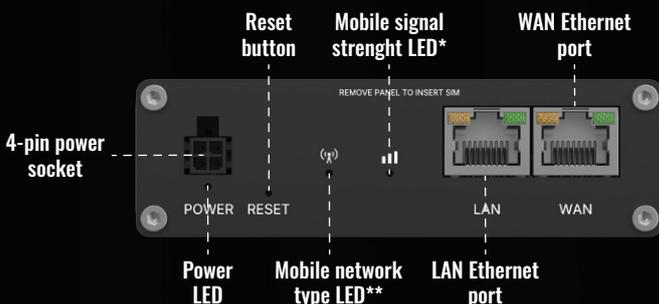
HARDWARE

| | |
|------------------------|--|
| Mobile | 5G Sub-6Ghz SA/NSA: 2.4/3.4Gbps DL (4x4 MIMO), 900/550 Mbps UL (2x2); 4G LTE: Cat 19 1.6Gbps DL, Cat 18 200Mbps UL; 3G: 42 Mbps DL, 5.76Mbps UL |
| CPU | MediaTek, Dual-Core, 880 Mhz, MIPS1004Kc |
| RAM | 256MB, DDR3 |
| Storage | 16MB serial NOR flash, 256MB serial NAND flash |
| TPM | Identification and authentication module, TPM 2.0 standard |
| Powering options | 4-pin industrial DC power socket, 9 - 50 VDC |
| SIM | 2 x SIM slots (Mini SIM - 2FF), 1.8 V/3 V, internal SIM holders |
| eSIM™ | Consumer type eSIM™*, profile download and removal operations, up to 7 eSIM™ profiles |
| Antenna connectors | 4 x SMA for Mobile, 2 x RP-SMA for Wi-Fi |
| Ethernet | 2 x RJ45 ports, 10/100/1000 Mbps: 1 x WAN, 1 x LAN |
| Wi-Fi | 802.11b/g/n/ac Wave 2 (Wi-Fi 5) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transition, Access Point (AP), Station (STA) |
| Configurable I/O | 2 x Configurable digital Inputs/Outputs on 4-pin power connector. Digital Input, 0 - 6 V detected as logic low, 8 - 50 V detected as logic high. Digital Output, Open collector output, max 30 V, 300 mA |
| Status LEDs | 1 x Mobile connection type(RGB), 1 x Mobile connection strength(RGB), 4 x LAN status, 1 x Power |
| Operating temperature | -40 °C to 75 °C |
| Housing | Anodized aluminum housing and panels |
| Dimensions (W x H x D) | 100 x 30 x 93.7 mm |
| Weight | 319 g |

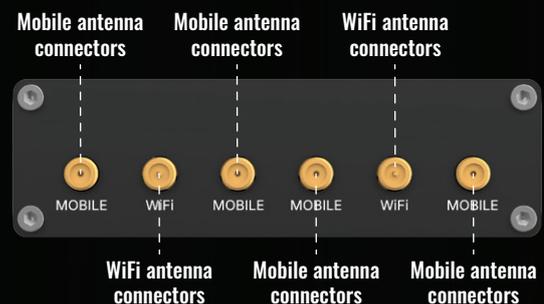
SOFTWARE

| | |
|---------------------------|---|
| Operating system | RutOS (OpenWrt based Linux OS) |
| Mobile features | eSIM, SIM switch, Status, SMS, USSD, Block/Allow list, Multiple PDN, Band management, SIM idle protection service, SIM PIN code management, APN, Bridge, Passthrough, Framed routing |
| Wireless features | Wi-Fi security, SSID/ESSID, Wi-Fi users, Wireless Connectivity Features, Wireless MAC filter, Wireless QR code generator, TravelMate |
| Network features | VoIP passthrough support, Connection monitoring, Firewall, Firewall status page, Ports management, Network topology, Hotspot, DHCP, QoS / Smart Queue Management (SQM), DNS over HTTPS, DDNS, Network backup, Load balancing, SSHFS, VRF support , Traffic Management |
| Security | Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control, TPM, SSL certificate generation, 802.1x |
| VPN and tunneling | OpenVPN, OpenVPN Encryption, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc, Tailscale |
| Monitoring and Management | WEB UI, FOTA, SSH, SMS, Call, Email, TR-069, MQTT, SNMP, JSON-RPC, MODBUS, RMS |
| Cloud solutions | RMS, ThingWorx, Cumulocity - Cloud of Things, Azure IoT Hub |
| Services | OPC UA, Modbus, Data to Server, Modbus MQTT GATEWAY, DNP3, DLMS/COSEM |

FRONT VIEW



BACK VIEW



Mobile signal strength LED* RED color when signal RSSI is between -110 and -82 dBm, YELLOW color when signal RSSI is between -82 and -52 dBm, GREEN color when signal RSSI is more than -51 dBm
Mobile network type LED** YELLOW color when device is connected to a 3G network, GREEN color when device is connected to a 4G network, BLUE color when device is connected to a 5G network.