RUTM54

5G ROUTER WITH TELIT MODEM

RUTM54 360° VIEW

The RUTM54 is a high-performance, dual-SIM and eSIM 5G router, ideal for data-intensive applications that demand reliable, high-speed connectivity. With a global Telit 5G modem, the RUTM54 delivers exceptional connectivity and consistent performance. Its 5 Gigabit Ethernet ports and dual-band Wi-Fi provide robust redundancy, while auto-failover ensures uninterrupted service. With backward compatibility to 4G and multiple interface options, the RUTM54 is designed for seamless expandability and future upgrades.

5G

Ultra-high cellular speeds of up to 3.4 Gbps

DUAL SIM & eSIM™

With auto failover, backup WAN and other switching scenarios

SA & NSA

Supports both architectures to leverage the 5G infrastructure

TELIT MODEM

European made module inside

RMS | REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH RUTM54

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

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KEY FEATURES

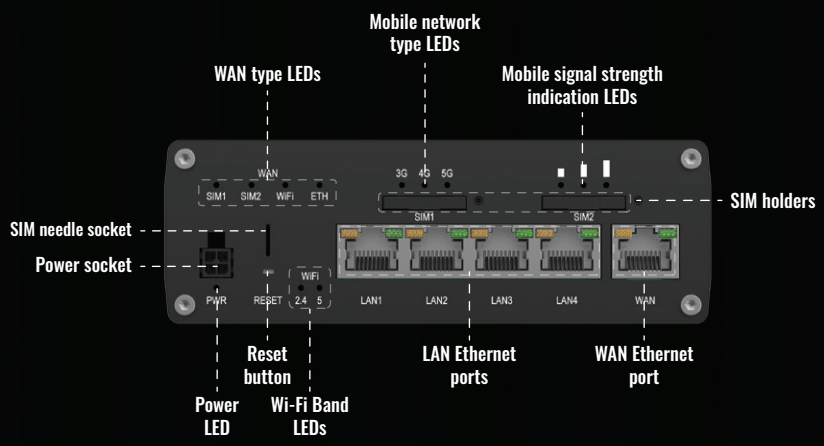
HARDWARE

Mobile	5G Sub-6Ghz SA/NSA 2.5/3.4Gbps DL (4x4 MIMO), 900/550 Mbps UL (2x2); 4G (LTE) – LTE Cat 19 1.6Gbps DL, LTE Cat 18 211Mbps UL; 3G – 42 Mbps DL, 5.7Mbps UL
eSIM	Consumer type eSIM, profile download and removal operations, up to 7 eSIM profiles; does not include data plans
CPU	MediaTek, Dual-Core, 880 MHz, MIPS1004Kc
RAM	256 MB, 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 slots (Mini SIM - 2FF), 1.8 V/3 V, external SIM holders
Antenna connectors	4 x SMA for Mobile, 2 x RP-SMA for Wi-Fi, 1 x SMA for GNSS
Ethernet	5 x RJ45 ports, 10/100/1000 Mbps: 1 x WAN (configurable as LAN), 4 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-MI-MO), 802.11r fast transition, Access Point (AP), Station (STA)
GNSS	GPS, GLONASS, BeiDou, Galileo and QZSS
Inputs/Outputs	1 x Digital Input, 0 - 6 V detected as logic low, 8 - 30 V detected as logic high, 1 x Digital Output, Open collector output, max output 30 V, 300 mA
Grounding	1 x Grounding screw
Status LEDs	4 x WAN type, 3 x Mobile connection type, 3 x Mobile connection strength, 10 x Ethernet port status, 1 x Power, 2 x 2.4G and 5G Wi-Fi
Operating temperature	-40 °C to 75 °C
Housing	Anodized aluminum housing and panels
Dimensions (W x H x D)	132 x 44.2 x 95 mm
Weight	530 g

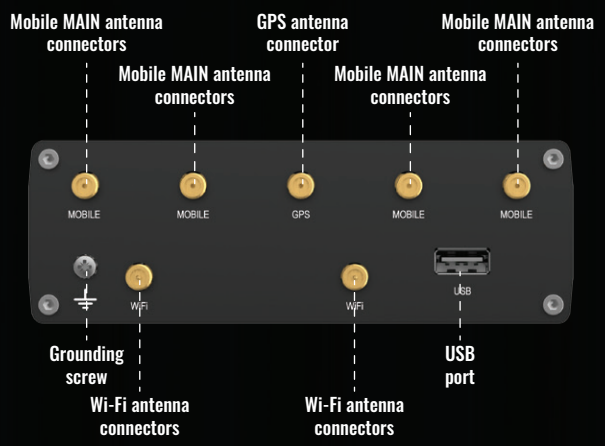
SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	SIM switch, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, SIM PIN code management, APN, Bridge, Passthrough
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, 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, AWS IoT Core
Services	OPC UA, Modbus, Data to Server, Modbus MQTT GATEWAY, DNP3, DLMS
Location Tracking	GNSS, Coordinates, NMEA, NTRIP, Server software, Geofencing

FRONT VIEW



BACK VIEW



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