

RUTM52

DUAL 5G ROUTER



RUTM52 360° VIEW

The RUTM52 is a future-proof 5G router designed for mission-critical applications, featuring dual 5G modems, multi-WAN capabilities, and 4G LTE Cat 20 fallback. With dual SIM slots, eSIM support, and compatibility with SA and NSA 5G architectures, it ensures high-speed, uninterrupted connectivity today and years ahead. Load balancing, Wi-Fi 5, and five Gigabit Ethernet ports enhance performance, while RutOS with industrial protocols and various VPNs make it versatile for complex setups. Compatible with RMS, the RUTM52 is ideal for secure and efficient remote management.



DUAL 5G MODEM

Up to double cellular speeds and always-on connection

DUAL SIM & eSIM™

With auto failover, backup WAN and other switching scenarios

SA & NSA

Supports both architectures to leverage the 5G infrastructure

FUTURE-PROOFING

Backward compatible with 4G (LTE Cat 20)



RMS

REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH RUTM52

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

KEY FEATURES

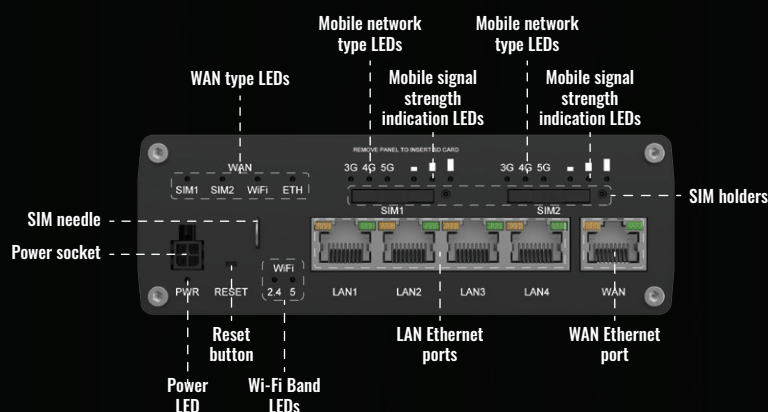
HARDWARE

Mobile	2 x 5G Sub-6 Ghz SA/NSA 2.4/3.4 Gbps DL (4x4 MIMO), 900/550 Mbps UL (2x2); 4G (LTE) – LTE Cat 19 1.6 Gbps DL, Cat 18 200 Mbps UL; 3G – 42 Mbps DL, 5.76 Mbps 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	8 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-MIMO), 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 LEDs, 6 x Mobile connection type, 6 x Mobile connection strength, 10 x Ethernet port status LEDs, 1 x Power, 2 x 2.4G and 5G Wi-Fi
Operating temperature	-40 °C to 60 °C
Housing	Anodized aluminum housing and panels
Dimensions (W x H x D)	132 x 44.2 x 95 mm
Weight	560 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, Framed routing
Wireless features	SSID/ESSID, Wi-Fi users, Wireless Connectivity Features, Wireless MAC filter, Wireless QR code generator, TravelMate
Network features	Routing, Network protocols, 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, TPM
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, 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, Teltonika Networks Web API (beta) support
Location Tracking	GNSS, Coordinates, NMEA, NTRIP, Server software, Geofencing

FRONT VIEW



BACK VIEW

