

RUTM59



RUTM59 360° VIEW

CELLULAR 5G ROUTER

The RUTM59 is a cellular 5G router with ultra-high cellular speeds of up to 3.4 Gbps. This 5G router features dual SIM slots with auto-failover, backup WAN, and other switching scenarios. The RUTM59 is equipped with five Gigabit RJ45 ports, supports both SA and NSA 5G architectures, and is backward compatible with 4G (LTE Cat 19)—ensuring a fast, uninterrupted connection and long-term expandability at affordable pricing.



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 architectures to leverage the 5G infrastructure

FUTURE-PROOFING

Backward compatible with 4G (LTE CAT 19)



RMS | **REMOTE MANAGEMENT SYSTEM**
COMPATIBLE WITH RUTM59
MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

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, 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, 1 x SMA for GNSS
Ethernet	5 x RJ45 ports, 10/100/1000 Mbps: 1 x WAN (configurable as LAN), 4 x LAN
GNSS	GPS, GLONASS, BeiDou, Galileo and QZSS
Inputs/Outputs	1 x Digital Input, 0 - 6 V detected as logic low, 9 - 50 V detected as logic high, 1 x Digital Output, Open collector output, max output 50 V, 300 mA
Grounding	1 x Grounding screw
Status LEDs	3 x WAN status LEDs, 3 x Mobile connection type, 3 x Mobile connection strength, 10 x Ethernet port status LEDs, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminum housing
Dimensions (W x H x D)	132 x 44.2 x 95.1 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, Framed routing
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
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

