

RUTM51

INDUSTRIAL 5G ROUTER

The RUTM51 is a budget-friendly dual-SIM, multi-network industrial 5G router delivering connectivity for data-heavy applications. With five Gigabit Ethernet ports, dual-band Wi-Fi, and auto-failover, it ensures seamless, reliable performance. Backward compatibility with 4G Cat 12 and a versatile range of interfaces make the RUTM51 5G router a smart, future-proof choice for businesses seeking high-speed connectivity at a lower cost.



ULTRA-AFFORDABLE 5G

Top-tier 5G speeds at an unbeatable price point

DUAL-SIM

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 12)



RMS

REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH RUTM51

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

KEY FEATURES

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HARDWARE

Mobile	5G Sub-6GHz SA: 2 Gbps DL, 1 Gbps UL; NSA: 2.6 Gbps DL, 650 Mbps UL; 4G (LTE) - Cat 12: 600 Mbps DL, Cat 13: 150 Mbps UL; 3G - 42.2 Mbps DL, 11 Mbps UL
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
Ethernet	5 x RJ45 ports, 10/100/1000 Mbps: X x WAN (configurable as LAN), X 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)
Inputs/Outputs	1 x Digital Input, 0 - 6 V detected as logic low, 8 - 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	4 x WAN type LEDs, 3 x Mobile connection type, 3 x Mobile connection strength, 10 x ETH 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)	132.0 x 44.2 x 95.0 mm
Weight	525 g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	SIM switch, Status, SMS, USSD, Black/White list, 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
Services	OPC UA, Modbus, Data to Server, Modbus MQTT GATEWAY, DNP3, DLMS, Teltonika Networks Web API (beta) support

FRONT VIEW

BACK VIEW

