

RUTM50

RUTM50200500

CELLULAR 5G ROUTER

RUTM50 is a Giteki-certified Teltonika Networks cellular 5G router for the Japanese market, with ultra-high cellular speeds of up to 3.4 Gbps. This dual SIM router has auto-failover and backup WAN and supports both SA and NSA 5G architectures. It is also backward compatible with 4G (LTE Cat 19/18), making it perfect for future-proofing your industrial networking solutions.



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 SA & NSA 5G architectures

GITEKI-CERTIFIED

Tailor-made for the Japanese market



RMS

REMOTE
MANAGEMENT
SYSTEM

COMPATIBLE WITH RUTM50

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

KEY FEATURES

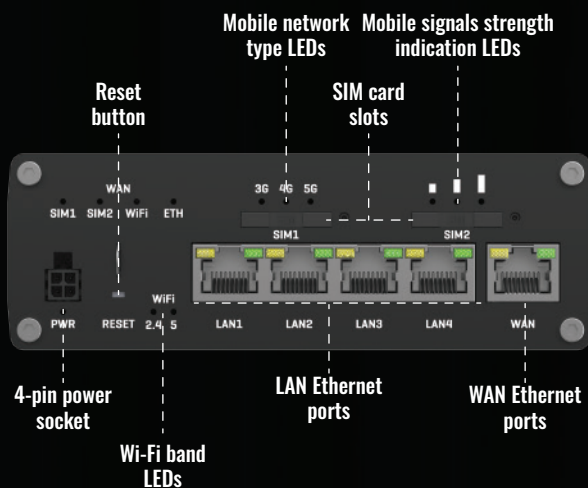
HARDWARE

Mobile	5G Sub-6Ghz SA/NSA 2.4/3.4Gbps DL (4x4 MIMO), 900/550 Mbps UL (2x2); 4G (LTE) – LTE Cat 19 1.6Gbps DL, LTE 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
Powering options	4-pin industrial DC power socket, 9 - 50 VDC
SIM	2 x SIM slots (Mini SIM – 2FF), 1.8 V/3 V
Antenna connectors	4 x SMA for Mobile, 2 x RP-SMA for Wi-Fi
Ethernet	5 x RJ45 ports, 10/100/1000 Mbps
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 Configurable digital Input, 0 - 6 V detected as logic low, 8 - 50 V detected as logic high, 1 x configurable digital Output, Open collector output, max output 30 V, 300 mA
Other	1 x Grounding screw
Status LEDs	3 x connection status LEDs, 3 x connection strength LEDs, 10 x Ethernet port status LEDs, 4 x WAN status LEDs, 1 x Power LED, 2 x 2.4G and 5G Wi-Fi LEDs
Operating temperature	-40 °C to 75 °C
Housing	Anodized aluminum housing and panels
Dimensions (W x H x D)	132 x 44.2 x 95.1 mm
Weight	519 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, APN, Bridge, Passthrough, Framed routing
Network features	VoIP passthrough support, Connection monitoring, Firewall, Firewall status page, Ports management, Network topology, DHCP, QoS / Smart Queue Management (SQM), DDNS, Network backup, Load balancing, Hotspot, SSHFS, VRF support
Security	Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control
VPN and tunneling	OpenVPN, 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, Cloud of Things, ThingWorx, Cumulocity, Azure IoT Hub
Services	OPC UA, MODBUS, Data to Server, Modbus MQTT GATEWAY, DNP3, DLMS

FRONT VIEW



BACK VIEW

