RUTM30

COMPACT 5G ROUTER

RUTM30 360° VIEW

The RUTM30 is a compact dual-SIM multi-network router with eSIM™, offering 5G mobile connectivity for high-speed and data-heavy applications. Together with two Gigabit Ethernet ports and dual-band Wi-Fi, it provides data connection redundancy with auto-failover. Backward compatibility and multiple interfaces allow for long-term expandability and upgrading options. The RUTM30 is an excellent fit in various IoT and M2M solutions that require high-speed connectivity, easy setup, reliable network, and remote accessibility.

TELTONIKA

Made in Lithuania
TELTONIKA NETWORKS UAB
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LT-51436 Kaunas, Lithuania

RUTM30

eSIM

(9-50 VDC) + □□ - (GND)
I/O □□ I/O

Default IP: 192.168.1.1

CONNECTIVITY

5G, 4G Cat19, 3G

DUAL SIM

With auto failover, backup WAN, and other switching scenarios

eSIM™

Seamless connectivity with eSIM™ SGP.22

SA & NSA

Supports both architectures to leverage the 5G infrastructure

MOBILE WiFi MOBILE MOBILE WiFi MOBILE

REMOVE PANEL TO INSERT SIM

POWER RESET LAN WAN

RMS
REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH RUTM30

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

KEY FEATURES

HARDWARE

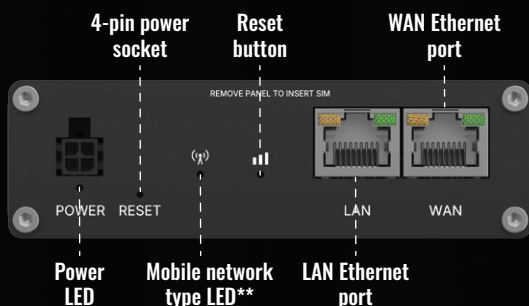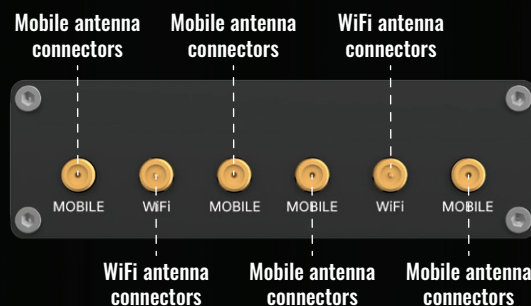|	
Mobile	5G Sub-6Ghz SA/NSA: 2.4/3.4Gbps DL (4x4 MIMO), 900/550 Mbps UL (2x2); 4G LTE: Cat 19 1.6Gbps DL, Cat 18 200Mbps UL; 3G: 42 Mbps DL, 5.76Mbps UL
CPU	MediaTek, Dual-Core, 880 Mhz, MIPS1004Kc
RAM	256MB, DDR3
Storage	16MB serial NOR flash, 256MB serial NAND flash
TPM	Identification and authentication module, TPM 2.0 standard
Powering options	4-pin industrial DC power socket, 9 - 50 VDC
SIM	2 x SIM slots (Mini SIM - 2FF), 1.8 V/3 V, internal SIM holders
Antenna connectors	4 x SMA for Mobile, 2 x RP-SMA for Wi-Fi
Ethernet	2 x RJ45 ports, 10/100/1000 Mbps: 1 x WAN, 1 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 Configurable digital Output, Open collector output, max output 30 V, 300 mA
Status LEDs	1 x Mobile connection type(RGB), 1 x Mobile connection strength(RGB), 4 x LAN status, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Anodized aluminum housing and panels
Dimensions (W x H x D)	100 x 30 x 93.8 mm
Weight	319 g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	eSIM, SIM switch, Status, SMS, USSD, Block/Allow list, Multiple PDN, Band management, SIM idle protection service, SIM PIN code management, APN, Bridge, Passthrough, Framed routing
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, TPM, 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
Services	OPC UA, Modbus, Data to Server, Modbus MQTT GATEWAY, DNP3, DLMS/COSEM

FRONT VIEW

- 4-pin power socket
- Reset button
- WAN Ethernet port
- Power LED
- Mobile network type LED**
- LAN Ethernet port

POWER RESET   LAN   WAN

REMOVE PANEL TO INSERT SIM

BACK VIEW

- Mobile antenna connectors
- Mobile antenna connectors
- WiFi antenna connectors
- WiFi antenna connectors
- Mobile antenna connectors
- Mobile antenna connectors

MOBILE   WiFi   MOBILE   MOBILE   WiFi   MOBILE

Mobile signal strenght LED* RED color when signal RSSI is between -110 and -82 dBm,
YELLOW color when signal RSSI is between -82 and -52 dBm, **GREEN** color when signal RSSI is more than -51 dBm
Mobile network type LED* YELLOW color when device is connected to a 3G network,
GREEN color when device is connected to a 4G network, **BLUE** color when device is connected to a 5G network.