

# RUTM16

## CAT 6 LTE ROUTER



RUTM16 360° VIEW

The RUTM16 is a versatile LTE router engineered for worldwide deployments. Ensure reliable global operation with its Telit modem, which provides Cat 6 speeds and coverage across multiple markets. For maximum versatility, connect IoT and industrial setups via robust 5x Gigabit Ethernet and USB ports, and enjoy stable wireless access with Dual-band Wi-Fi 5 featuring Mesh and Fast Roaming. Use the integrated eSIM to eliminate site visits by managing carrier profiles at scale. The RUTM16 is the ideal 4G router for large-scale applications like robotics, transport, roadside infrastructure, and POS terminals.



### WORLDWIDE LTE

Ensure reliable global operation with Telit Cat 6 modem

### BUILT-IN eSIM

Eliminate site visits and manage carrier profiles at scale with eSIM bootstrap

### DUAL-BAND WI-FI 5

Enjoy stable wireless access with Mesh and Fast Roaming

### FLEXIBLE INTERFACES

Connect IoT via 5x Gigabit Ethernet, USB, and up to 128 tag/port-based VLANs



## RMS COMPATIBLE WITH RUTM16

MANAGEMENT

REMOTE  
MANAGEMENT  
SYSTEM

ALERTS

CONFIGURATION

ACCESS

FOTA

# KEY FEATURES

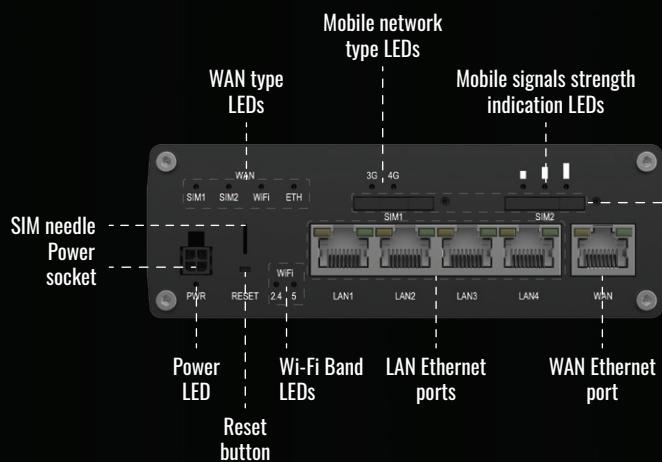
## HARDWARE

Mobile	4G LTE Cat 6 up to 300 DL/ 50 UL Mbps; 3G up to 42 DL/ 5.76 UL Mbps
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
Storage	256 MB, DDR3
Memory	16 MB serial NOR flash, 256 MB serial NAND flash
Powering options	4-pin industrial DC power socket, 9 – 50 VDC
SIM	2 x SIM slot (Mini SIM – 2FF), 1.8 V, 3 V
Antenna connectors	2 x SMA for Mobile, 2 x RP-SMA for WiFi, 1 x SMA for GNSS
Ethernet	5x 10/100/1000 RJ45 ports: 1 x WAN port (configurable as LAN), 4 x LAN port
WiFi	802.11b/g/n/ac Wave 2 (Wi-Fi 5) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)
GNSS	GPS, GLONASS, BeiDou, Galileo and QZSS
Inputs/Outputs	1 x Digital Input, 1 x Digital Output on 4-pin power connector
Other	1 x USB A port for external devices, 1 x Grounding screw
Status LEDs	4 x WAN type, 2 x Mobile connection type, 3 x Mobile connection strength, 10 x Ethernet port status, 1 x Power, 2 x 2.4G and 5G WiFi
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing, DIN rail (can be mounted on two sides), flat surface placement
Dimensions (W x H x D)	132 x 44.2 x 104 mm
Weight	530 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, Multiple PDN
Wireless features	WiFi security, SSID/ESSID, WiFi 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, Port management, Network topology, Hotspot, DHCP, QoS, Smart Queue Management (SQM), DDNS, DNS over HTTPS, Network backup, Load balancing, SSHFS, VRF support, Traffic Management
Security	Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control, Certificate Manager, 802.1x
VPN	OpenVPN, OpenVPN Encryption, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc, Tailscale
Monitoring and Management	WEB UI, FOTA, SSH, SMS, Call, TR-069, MQTT, SNMP, JSON-RPC, RMS
Cloud solutions	RMS, ThingWorx, Cumulocity - Cloud of Things, Azure IoT Hub, AWS IoT Core
GNSS	GNSS, Coordinates, NMEA, NTRIP, Server software, Geofencing

## FRONT VIEW



## BACK VIEW

