

RUTC16

4G EDGE ROUTER



RUTC16 360° VIEW

Ensure high-speed connectivity, carrier aggregation, and flexible deployments with the RUTC16 edge router. Featuring a Telit LTE Cat 6 modem with carrier aggregation, it enables stable global operation and remote carrier management. Modern CPU, expanded memory, Docker support, and custom RutOS configuration allows efficient local processing and custom solutions. RMS remote configuration and deployment automation make the RUTC16 a dependable choice for scalable, centrally managed industrial networks.



EDGE COMPUTING

Local data processing and application deployment using Docker containers

WORLDWIDE LTE

Reliable global operation with Telit LTE Cat 6 modem

WI-FI 6

Robust wireless network for optimal multi-user efficiency

DUAL SIM & ESIM

With auto failover, backup WAN and other switching scenarios



RMS COMPATIBLE WITH RUTC16

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

REMOTE
MANAGEMENT
SYSTEM

KEY FEATURES

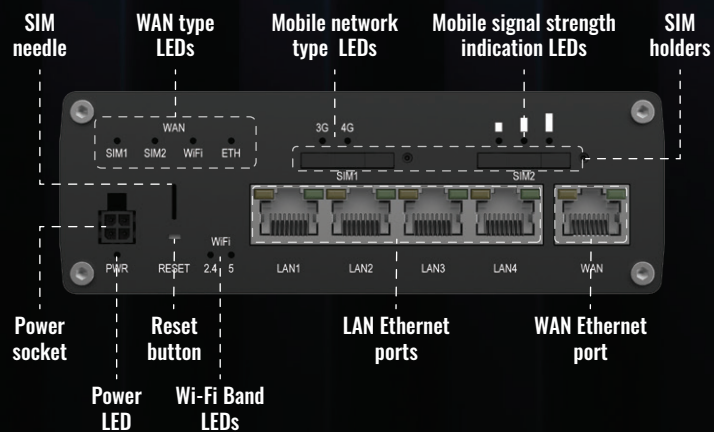
HARDWARE

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, 1.3GHz, ARM Cortex A53
Storage	1GB, DDR4
Memory	16MB serial NOR flash, 8GB eMMC
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, 3 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
Wi-Fi	802.11b/g/n/ac/ax (Wi-Fi 6) with data transmission rates up to 2402 Mbps on 5GHz, 576 Mbps on 2.4GHz (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 Wi-Fi
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	490 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, Hotspot 2.0, 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, TPM, Certificate Manager, 802.1x
VPN	OpenVPN, OpenVPN Encryption, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc, Tailscale, Netbird, EoIP, OpenConnect
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
Services	OPC UA, Modbus, MQTT Gateway, DNP3, Data to Server, DLMS/COSEM, Docker
Location Tracking	GNSS, Coordinates, NMEA, NTRIP, Server software, Geofencing

FRONT VIEW



BACK VIEW

