

RUTC40



RUTC40 360° VIEW

GLOBAL 4G EDGE ROUTER

Experience robust on-site computing for industrial environments with the RUTC40 edge router. This compact yet powerful and flexible device offers global 4G Cat 4 connectivity powered by a Telit modem, paired with strong processing capabilities and dual-band Wi-Fi 6. With integrated Docker support, you can run containerized applications directly on the router. Featuring 1 GB of RAM, a dual-core 1.3 GHz CPU, and industrial-grade RutOS features, the RUTC40 delivers real-time data logger, seamless cloud integration, and compatibility with Remote Management System (RMS).



GLOBAL 4G

Enable smarter edge computing over 4G Cat 4 with Telit modem

ENHANCED PROCESSING

Dual-core 1.3 GHz CPU, 1 GB RAM, and 8 GB flash memory

DOCKER SUPPORT

Run Docker containers directly on the router to deploy custom solutions

WI-FI 6

Dual-band multi-user MIMO for superior wireless performance



RMS COMPATIBLE WITH RUTC40

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

KEY FEATURES

HARDWARE

Mobile	4G LTE Cat 4 up to 150 DL/50 UL Mbps; 3G up to 42 DL/5.76 UL Mbps; 2G up to 236.8 DL/236.8 UL Kbps
CPU	Mediatek, 1.3 GHz, Dual-core ARM Cortex A53
RAM	1 GB, DDR4
Storage	16 MB serial NOR flash, 8 GB eMMC Flash
Powering options	4-pin industrial DC power socket, 9 - 30 VDC
eSIM	Consumer type eSIM, profile download and removal operations, up to 7 eSIM profiles; does not include data plans
SIM	2 x SIM slots (Mini SIM - 2FF), 1.8 V/3 V, external SIM holders
Antenna connectors	2 x SMA for Mobile, 3 x RP-SMA for Wi-Fi, 1 x SMA for GNSS
Ethernet	5 x RJ45 ports, 10/100/1000 Mbps: 1 x WAN (configurable as LAN), 4 x LAN
Wi-Fi	802.11b/g/n/ac/ax (Wi-Fi 6) with data transmission rates up to 2402Mbps on 5GHz, 576Mbps on 2.4GHz (Dual Band, MU-MIMO)
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, 3 x Mobile connection type, 3 x Mobile connection strength, 10 x LAN status, 1 x Power, 2 x 2.4G and 5G Wi-Fi
Operating temperature	-40 °C to 65 °C
Housing	Anodized aluminum housing and panels
Dimensions (W x H x D)	130.4 x 42.6 x 104 mm
Weight	480 g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	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	Routing, Network protocols, VoIP passthrough support, Connection monitoring, Firewall, Firewall status page, Port management, Network topology, DHCP, QoS / Smart Queue Management (SQM), DNS over HTTPS, DDNS, Network backup, Load balancing, Hotspot, Hotspot 2.0, SSHFS, VRF support, Traffic Management, IGMP Proxy, Port Mirroring
Security	Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control, TPM, Certificate Manager, 802.1x
VPN and tunneling	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, Email, TR-069, MQTT, SNMP, JSON-RPC, RMS
Cloud solutions	RMS, ThingWorx, Cumulocity - Cloud of Things, Azure IoT Hub, AWS IoT Core
Services	BacNET, OPC UA, Modbus, Data to Server, Modbus MQTT GATEWAY, DNP3, DLMS/COSEM, API, Docker
Location Tracking	GNSS, Coordinates, NMEA, NTRIP, Server software, Geofencing

FRONT VIEW

BACK VIEW

