

RUTC41

4G EDGE ROUTER



RUTC41 360° VIEW

Bring powerful on-site computing to your industrial deployments with the RUTC41 edge router. This high-performance yet compact and versatile device combines 4G Cat 4 connectivity with advanced processing power and dual-band Wi-Fi 6. Built-in Docker support allows you to run containerized applications directly on the router. Equipped with 1 GB RAM, a dual-core 1.3 GHz CPU, and industrial-grade RutOS features, the RUTC41 delivers secure networking, cloud integration, and real-time data logger in one rugged device.



4G CAT 4

Enable smarter edge computing over 4G

ENHANCED PROCESSING

Dual-core 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 RUTC41

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

REMOTE
MANAGEMENT
SYSTEM

KEY FEATURES

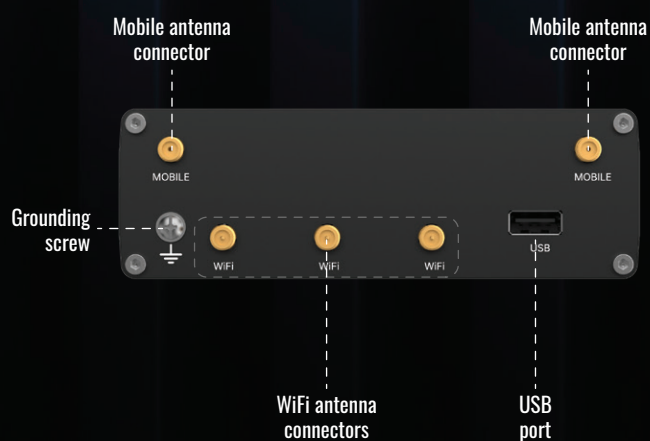
HARDWARE

Mobile	4G LTE up to 150 DL/50 UL Mbps; 3G up to 21 DL/ 5.76 UL Mbps; 2G up to 236.8 DL/236.8 UL Mbps
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
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 75 °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

FRONT VIEW



BACK VIEW

