

RUT276

COMPACT REDCAP 5G ROUTER



RUT276 360° VIEW

Bring the core 5G benefits into your IoT projects with the RUT276 Redcap router. Enjoy higher throughput and lower latency than traditional 4G networks can offer, without the cost of a full 5G module. Serial RS232/RS485 interfaces enable seamless integration with industrial equipment, whereas dual SIM and automatic failover ensure always-on connection. Its industrial design and native protocol support makes it perfect for IIoT and M2M applications where continuous uptime is critical.



REDCAP 5G

Low latency, high capacity, competitive pricing

SERIAL INTEGRATION

Built-in RS232/RS485 to seamlessly connect with industrial equipment

PROTOCOL-READY

Native support of Modbus, OPC UA & BACnet for industrial systems

INDUSTRIAL DESIGN

Rugged aluminum build, wide temperature support, and flexible mounting



RMS COMPATIBLE WITH RUT276

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

KEY FEATURES

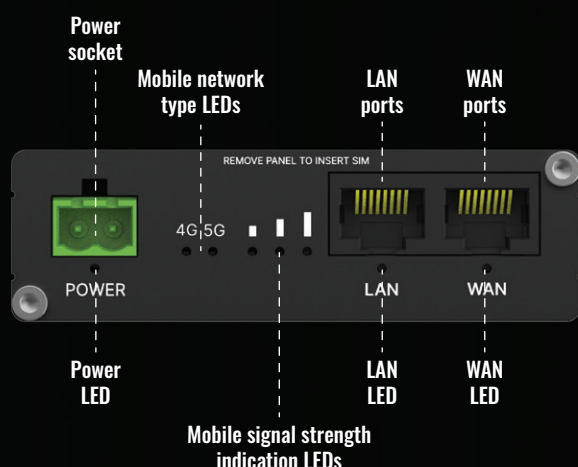
HARDWARE

Mobile	5G Sub-6Ghz SA 223 Mbps DL , 123 Mbps UL; 4G LTE Cat 4 – LTE 195 Mbps DL, 105 Mbps UL
CPU	Mediatek, 580 MHz, MIPS 24KEc
RAM	128 MB, DDR2
Storage	32 MB, SPI Flash
Powering options	2-pin industrial DC power socket, 9 - 57 VDC; Active PoE In: 802.3af Class 0 (12.94 W) on LAN port; Passive PoE In: over spare pairs 4,5 (+) / 7,8 (-) on LAN port, 16 - 57 VDC
SIM	2 x SIM slots (Mini SIM – 2FF), 1.8 V/3 V, double stacked SIM tray
Antenna connectors	2 x SMA for Mobile, 1 x RP-SMA for Wi-Fi
Ethernet	2 x RJ45 ports, 10/100 Mbps: 1 x WAN (configurable as LAN), 1 x LAN
Wi-Fi	IEEE 802.11b/g/n (Wi-Fi 4) Access Point (AP), Client (STA), Mesh (802.11s), Multi-AP
Serial	1 x 6-pin terminal block (RS232, RS485)
SD card (capacity)	Up to 2 TB
Status LEDs	2 x Connection type status LEDs, 3 x Connection strength LEDs, 2 x LAN status LEDs, 1 x Power LED
Operating temperature	-40 °C to 75 °C
Housing	Aluminum housing
Dimensions (W x H x D)	83 x 25 x 83 mm
Weight	132 g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Operating system	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	QoS / Smart Queue Management (SQM), DNS over HTTPS, DDNS, Network backup, Load balancing, Hotspot 2.0, SSHFS, VRF support , Traffic Management, Port Mirroring
Security	Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control, SSL certificate generation, 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, Cumulocity - Cloud of Things, Azure IoT Hub, AWS IoT Core
Services	BacNET, OPC UA, Modbus, Data to Server, Modbus MQTT GATEWAY, DNP3, DLMS/COSEM, RMS API

FRONT VIEW



BACK VIEW

