RUT271

REDCAP 5G ROUTER

RUT271 360° VIEW

The RUT271 is a Redcap 5G router, bridging the gap between 4G and full-capacity 5G. Supporting SA architecture, this 5G router can wirelessly support up to 50 end devices and features the low latency of 5G—at affordable pricing.

The RUT271 supports Wi-Fi and is backward compatible with 4G LTE Cat 4. This industrial-grade RedCap 5G router is also equipped with WAN failover, two 10/100 RJ45 ports, a compact and durable design, and numerous other brilliant features for expert professional deployment.

REDCAP 5G
Low latency, high capacity, affordable pricing

FUTURE- PROOFING
Backward compatible with 4G LTE Cat 4

WI-FI
Wireless access point with Hotspot functionality

WAN FAILOVER
Automatic switching to available backup connection

RMS
REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH RUT271

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

KEY FEATURES

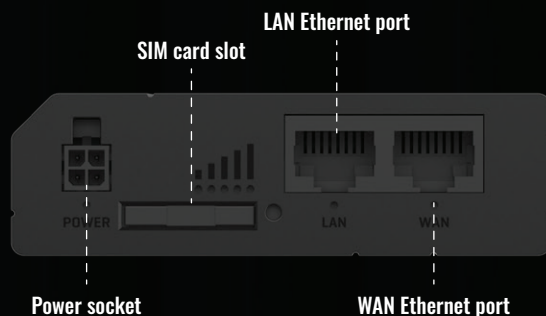## HARDWARE

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
Flash storage	32 MB, NOR Flash
Powering options	4-pin industrial DC power socket, 9 - 30 VDC
SIM	1 x SIM slot (Mini SIM - 2FF), 1.8 V/3 V, external SIM holder
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), Station (STA)
Inputs/Outputs	1 x Digital Input, 0 - 6 V detected as logic low, 8 - 30 V detected as logic high, 1 x Digital Output, Open collector output, max output 30 V, 300 mA
Status LEDs	3 x Connection type status LEDs, 5 x Connection strength LEDs, 2 x LAN status LEDs, 1 x Power LED
Operating temperature	-40 °C to 75 °C
Housing	Aluminum housing, plastic panels
Dimensions (W x H x D)	83 x 25 x 74 mm
Weight	130g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM PIN code management, APN, Bridge, Passthrough
Network features	VoIP passthrough support, Network Management, Connection monitoring, Firewall, Firewall status page, Ports management, Network topology, Hotspot, DHCP, QoS / Smart Queue Management (SQM), DNS over HTTPS, DDNS, Network backup, Load balancing, SSHFS, VRF support
Security	Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control
VPN and tunneling	OpenVPN, OpenVPN Encryption, IPsec, GRE, PPTP, L2TP, ZeroTier, WireGuard, Tinc
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
Services	OPC UA, Modbus, Data to Server, Modbus MQTT GATEWAY, DNP3, DLMS

—— FRONT VIEW ——

—— BACK VIEW ——

SIM card slot
LAN Ethernet port
Power socket
WAN Ethernet port

Reset button
Mobile antenna connector
WiFi antenna connector
Mobile antenna connector