RUT981

GLOBAL 4G ROUTER

RUT981 360° VIEW

The RUT981 global 4G router pairs a trusted Telit Cat 4 modem with a proven hardware platform, ensuring dependable long-term availability and performance worldwide. Integrate equipment via Wi-Fi and 4 x Ethernet ports for flexible network connections. Ensure always-on connectivity with SIM and eSIM, and use eSIM bootstrap for convenient initial profile download. Maintain uptime with WAN failover and load balancing, ensuring continuous communication in mission-critical deployments.



GLOBAL 4G

Ensure reliable global connectivity with a Telit Cat 4 modem

FLEXIBLE ETHERNET

Enable simple integration with 4 x Ethernet ports

DUAL SIM & ESIM

Eliminate on site visits and manage carrier profiles at scale

OPTIMAL WAN DISTRIBUTION

Maintain uptime with WAN Failover and load balancing

RMS REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH RUT981

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

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KEY FEATURES

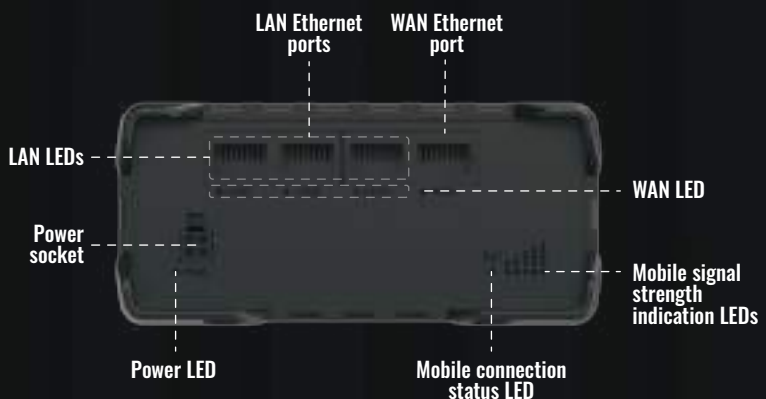
HARDWARE

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, 580 MHz, MIPS 24KEc
RAM	128 MB, DDR2
Storage	32 MB, NOR 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 LTE, 2 x RP-SMA for Wi-Fi antenna connectors
Ethernet	4 x RJ45 ports, 10/100/1000 Mbps
Wi-Fi	802.11b/g/n (Wi-Fi 4), 2x2 MIMO, 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	1 x Bi-color connection status, 5 x Mobile connection strength, 4 x ETH status, 1 x Power
Operating temperature	-40 °C to 65 °C
Housing	Aluminum housing, plastic panels
Dimensions (W x H x D)	110 x 50 x 100 mm
Weight	268 g

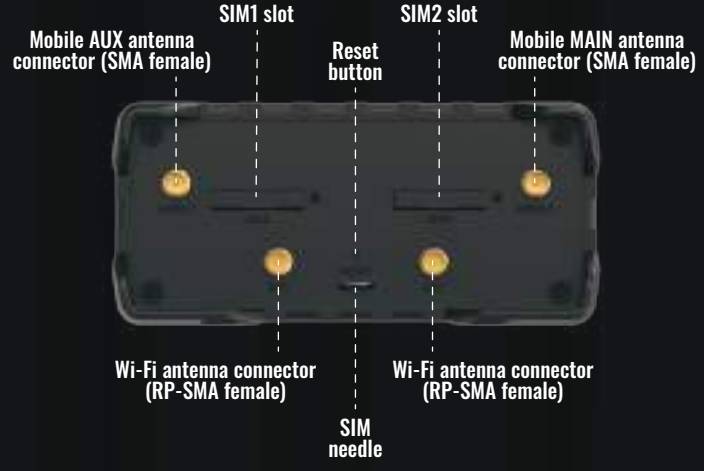
SOFTWARE

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
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, Traffic Management, Port Mirroring
Security	Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control, Certificate Manager, 802.1x
VPN and tunneling	VPN, OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc, 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	OPC UA, Modbus, Data to Server, Modbus MQTT GATEWAY, DNP3, DLMS/COSEM

FRONT VIEW



BACK VIEW



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