RUT986

INDUSTRIAL GLOBAL LTE CAT 4 ROUTER

RUT986 360° VIEW

Deploy reliable 4G for industrial and smart infrastructure at scale. The RUT986 is a global LTE router that pairs a trusted Telit Cat 4 modem with the proven hardware platform for dependable long-term availability. Integrate equipment via 4 x Ethernet, RS232, RS485, GNSS, and multiple I/Os, and industrial protocol support, including Modbus, DNP3, and OPC UA. Ensure always-on connectivity with SIM and eSIM, and use eSIM bootstrap for initial profile download. The RUT986 is ideal for demanding industrial deployments, offering zero-touch deployment and centralised management via RMS.



GLOBAL LTE

Ensure reliable global connectivity with Telit Cat 4 modem

DUAL SIM & ESIM

Eliminate on site visits and manage carrier profiles at scale

MULTIPLE INTERFACES

Connect IoT via 4 x Ethernet, serial (RS232 & RS485) and multiple I/Os

INDUSTRIAL PROTOCOLS

Collect and transmit data via Modbus, DNP3, OPC UA & more



RMS | REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH RUT986

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

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KEY FEATURES

HARDWARE

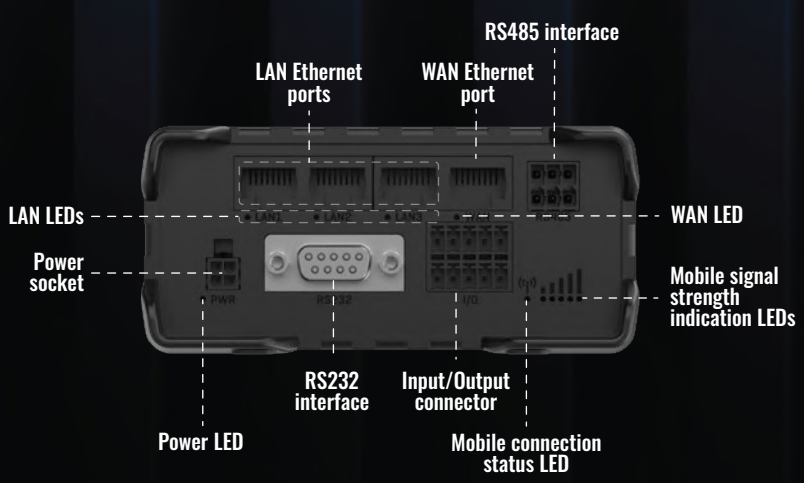
Mobile	4G LTE Cat 4 up to 150 DL/50 UL Mbps; 3G up to 42 DL/5.76 UL Mbps; 2G up to 236.8 DL/236.8 UL Kbps
CPU	Mediatek, 580 MHz, MIPS 24KEc
RAM	128 MB, DDR2
Storage	32 MB, NOR Flash
Powering options	4-pin industrial DC power socket, 9 - 30 VDC
eSIM	Consumer type eSIM, profile download and removal operations, 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, eSIM
Antenna connectors	2 x SMA for LTE, 2 x RP-SMA for Wi-Fi, 1 x SMA for GNSS
Ethernet	4 x RJ45 ports, 10/100 Mbps: 1 x WAN (configurable as LAN), 3 x LAN
Wi-Fi	802.11b/g/n (Wi-Fi 4), Access Point (AP), Station (STA)
GNSS	GPS, GLONASS, BeiDou, Galileo and QZSS
Inputs/Outputs	1 x digital dry input (0 - 3 V), 1 x digital galvanically isolated input (0 - 30 V), 1 x analog input (0 - 24 V; with 4-20 mA capability), 1 x Digital non-isolated input (on 4-pin power connector, 0 - 5 V detected as logic low, 8 - 30 V detected as logic high), 1 x digital open collector output (30 V, 250 mA), 1 x SPST relay output (40 V, 4 A), 1 x Digital open collector output (30 V, 300 mA, on 4-pin power connector)
Serial	RS232, RS485
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	294 g

SOFTWARE

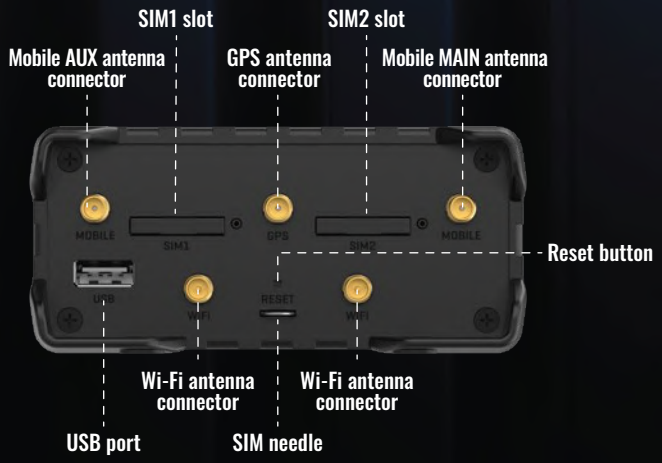
Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	SIM switch, Status, SMS, USSD, Block/Allow list, Multiple PDN, Band management, SIM idle protection service, SIM PIN code management, APN, Bridge, Passthrough
Wireless features	Wi-Fi security, SSID/ESSID, Wi-Fi users, Wireless Connectivity 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, VRF support, Traffic Management, Port Mirroring
Security	Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control, Certificate Manager, 802.1x
VPN and tunneling	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	BacNET, OPC UA, Modbus, Data to Server, Modbus MQTT GATEWAY, DNP3, DLMS/COSEM
Location Tracking	GNSS, Coordinates, NMEA, NTRIP, Server software, Geofencing

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FRONT VIEW



BACK VIEW



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