

RUT286

INDUSTRIAL GLOBAL LTE CAT 4 ROUTER



RUT286 360° VIEW

The RUT286 is an industrial LTE Cat 4 router designed for global IoT and M2M applications, providing reliable connectivity with 3G/2G fallback via a standardized LTE platform utilizing a Telit modem. It features RS232 and RS485 serial interfaces with support for Modbus, DNP3, DLMS, and other core industrial protocols. Flexible power options include 9-57 VDC industrial input and active or passive PoE, enabling simple installations with power and data over Ethernet.



GLOBAL LTE

Ensure reliable global connectivity with a Telit Cat 4 modem

SERIAL INTERFACES

Integrate via RS232 & RS485 and industrial protocols like Modbus, DNP3 and DLMS

INDUSTRIAL POWER

Provide stable power via 9-57 VDC input

ACTIVE & PASSIVE POE

Simplify deployments with power and data delivery over a single cable



RMS COMPATIBLE WITH RUT286

REMOTE MANAGEMENT SYSTEM

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

KEY FEATURES

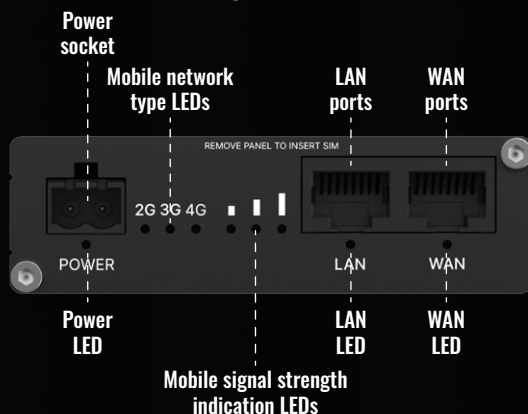
HARDWARE

Mobile	4G LTE Cat 4 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 Kbps
CPU	Mediatek, 580 MHz, MIPS 24KEc
RAM	128 MB, DDR2
Storage	32 MB, NOR Flash
Powering options	2-pin industrial DC power socket, 9 - 57 VDC; Active PoE input 802.3af on LAN port; Passive PoE mode A/B 1,2,4,5 (+) / 3,6,7,8 (-) through LAN port. Passive PoE voltage: 16 - 57 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, 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: X x WAN (configurable as LAN), X x LAN
Wi-Fi	802.11b/g/n (Wi-Fi 4), Access Point (AP), Station (STA)
Serial	1 x 6-pin terminal block (RS232, RS485)
SD card (capacity)	Up to 2 TB
Status LEDs	3 x Connection type status LEDs, 3 x Connection strength LEDs, 2 x LAN status LEDs, 1 x Power LED
Operating temperature	-40 °C to 65 °C
Housing	Anodized aluminium housing and panels
Dimensions (W x H x D)	83 x 25 x 83 mm
Weight	132 g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	eSIM, SIM switch, Status, SMS, USSD, Block/Allow list, Multiple PDN, Band management, 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, Ports 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, SSL certificate generation, 802.1x
VPN and tunneling	VPN, OpenVPN, OpenVPN Encryption, 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, API

FRONT VIEW



BACK VIEW

