

RUT281

COMPACT GLOBAL LTE CAT 4 ROUTER



RUT281 360° VIEW

The RUT281 is a compact LTE router with a reliable Telit Cat 4 modem, engineered for stable performance and long-term operation across worldwide networks. Ensure always-on connectivity with SIM and eSIM, and use eSIM bootstrap for convenient initial profile download. Preserve network continuity with WAN failover, keeping systems online during connection loss in demanding environments. Enable flexible installations with compact 83 × 25 × 74 mm housing, ideal for space-constrained deployments.



GLOBAL LTE

Ensure reliable global connectivity with Telit Cat 4 modem

SIM & ESIM

Eliminate on-site visits and manage carrier profiles at scale

AUTOMATIC FAILOVER

Maintain network uptime with WAN failover and load balancing

COMPACT FORM FACTOR

Experience industrial performance in durable aluminium housing



RMS COMPATIBLE WITH RUT281

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

KEY FEATURES

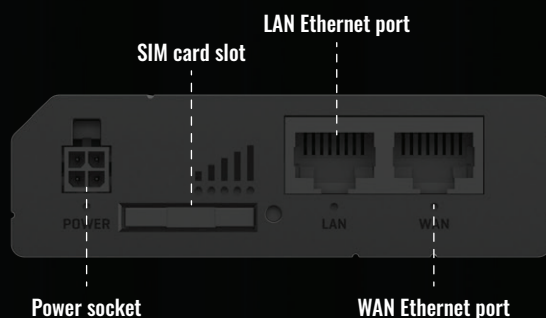
HARDWARE

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, SPI 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
eSIM™	Consumer type eSIM™*, profile download and removal operations, up to 7 eSIM™ profiles
Antenna connectors	2 x SMA for LTE, 1 x RP-SMA for Wi-Fi antenna connectors
Ethernet	2 x RJ45 ports, 10/100 Mbps
Wi-Fi	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 65 °C
Housing	Aluminum housing, plastic panels
Dimensions (W x H x D)	83 x 25 x 74 mm
Weight	130 g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	eSIM, SIM switch, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, APN, Bridge, Passthrough
Network features	VoIP passthrough support, Connection monitoring, Firewall, Firewall status page, Ports management, Network topology, Hotspot, DHCP, QoS / Smart Queue Management (SQM), DDNS, DNS over HTTPS, Network backup, Load balancing, SSHFS
Security	Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control, Certificate manager
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, 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, AWS IoT Core
Services	OPC UA, Modbus, Data to Server, Modbus MQTT Gateway, DNP3, DLMS/COSEM, API

FRONT VIEW



BACK VIEW

