



RUT906 360° VIEW

RUT906

4G LTE RS232/RS485 ROUTER

Cellular 4G router for industrial IoT applications, supporting serial interfaces RS232 and RS485, MQTT, BACnet, I/Os, Ethernet, and more. This cellular router is equipped with GNSS and failsafe features such as Dual SIM, auto-failover, and backup WAN.



CONNECTIVITY

4G LTE (Cat 4), 3G, 2G

DUAL SIM

Auto-failover, backup WAN, and more switching scenarios

INTERFACES & PROTOCOLS

Serial interfaces (RS232 & RS485), MQTT, BACnet, OPC UA, I/Os, Ethernet, and more

GNSS

NTRIP, location services and time synchronization



RMS

REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH RUT906

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

KEY FEATURES

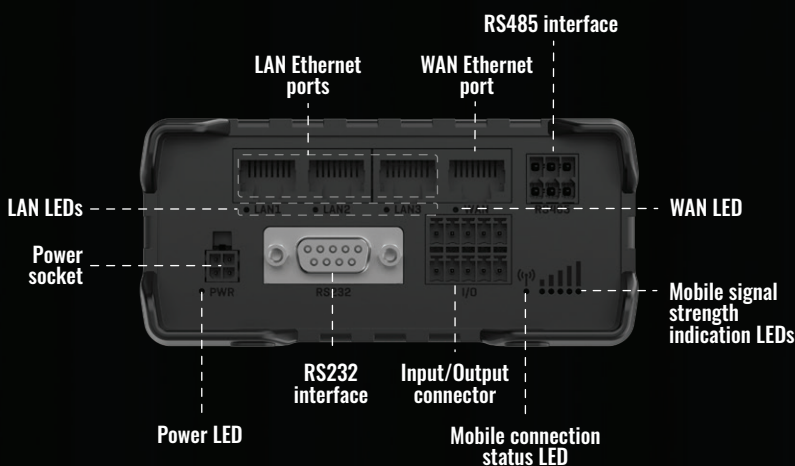
HARDWARE

Mobile	4G (LTE) – Cat 4 up to 150 Mbps, 3G – Up to 42 Mbps, 2G – Up to 236.8 kbps
CPU	Mediatek, 580 MHz, MIPS 24KEc
Memory	128 MB, DDR2
Storage	16 MB, SPI Flash
Powering options	4-pin industrial DC power socket, 9 - 30 VDC
SIM	2 x SIM slots (Mini SIM - 2FF), 1.8 V/3 V, external SIM holders, eSIM (Optional)
SD Card	Micro SD (internal)
Antenna connectors	2 x SMA for LTE, 2 x RP-SMA for Wi-Fi, 1 x SMA for GNSS
Ethernet	4 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN
Wi-Fi	IEEE 802.11b/g/n, Access Point (AP), Station (STA)
GNSS	GPS, GLONASS, BeiDou, Galileo and QZSS
Inputs/Outputs	2 x Inputs and 2 x Outputs on 10-pin industrial socket, 1 x Digital input and 1 x Digital output on 4-pin power connector
Serial	1 x RS232, 1 x RS485
Other	1 x USB host
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 75 °C
Housing	Aluminium housing, plastic panels
Dimensions (W x H x D)	109.5 x 50 x 100 mm
Weight	295 g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Auto APN, Band lock, SIM switch, Operator black/white list, Data/SMS limits
Network features	Routing, Failover, Firewall, DHCP, DDNS, QoS / SQM, Load Balancing, VoIP passthrough, Connection monitoring, SSHFS
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, BACnet, DNP3, OPC UA, MODBUS, RMS
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, L2TPv3, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cumulocity - Cloud of Things, ThingWorx
Wireless Connectivity Features	Fast roaming (802.11r), Relayd
Hotspot	External/Internal Radius, SMS OTP, MAC authentication, Walled Garden
GNSS	NMEA forwarding, NTRIP, AVL, Geofencing

FRONT VIEW



BACK VIEW

