

RUT204



RUT204 360° VIEW

CAN BUS LTE ROUTER

Designed for efficient machine data connectivity, the RUT204 combines native CAN FD hardware with LTE Cat 4 to enable direct and secure transmission of CAN data without external converters. Support for CANOpen and J1939 allows seamless integration with CAN based equipment. Built for industrial and mobile applications, this compact router also features GNSS for asset tracking, Wi-Fi 4, Dual SIM & eSIM, PoE-in, RS232, Ethernet, and a wide 9 - 57 VDC power range. Embedded RutOS and RMS support enable zero touch deployment, remote monitoring, and scalable fleet management to reduce complexity and improve operational efficiency.



NATIVE CAN BUS

Enable direct access to machine data with CANOpen and J1939 protocol support

DATA LOGGING

Collect and send data to local or cloud servers for monitoring and analysis

VERSATILE INTERFACES

Simplify industrial installations with GNSS, RS232, PoE-in, and Ethernet

REMOTE FLEET MANAGEMENT

Manage connected devices remotely via RMS with zero-touch deployment



RMS COMPATIBLE WITH RUT204

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

REMOTE MANAGEMENT SYSTEM

KEY FEATURES

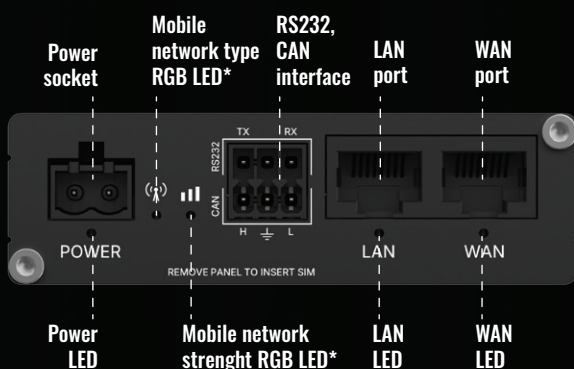
HARDWARE

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	2-pin industrial DC power socket, 9 - 57 VDC; Active PoE In: 802.3af Class 0 (12.94 W) on LAN port; Passive PoE In: over spare pairs 4,5 (+) / 7,8 (-) on LAN port, 16 - 57 VDC
SIM	2 x internal 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, 1 x SMA for GNSS
Ethernet	2 x RJ45 ports, 10/100 Mbps: 1 x WAN (configurable as LAN), 1 x LAN
Wi-Fi	802.11b/g/n (Wi-Fi 4), Access Point (AP), Station (STA)
Serial	1 x 6-pin terminal block (RS232, CAN)
SD card (capacity)	Up to 2 TB
Status LEDs	1 x RGB Connection type status LED, 1 x RGB Connection strength LED, 2 x ETH status LEDs, 1 x Power LED
Operating temperature	-40 °C to 75 °C
Housing	Aluminum housing and panels
Dimensions (W x H x D)	83 x 25 x 83 mm
Weight	139.6 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	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, Traffic Management
Security	Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control, SSL certificate generation, 802.1x
VPN and tunneling	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, RMS API, CANopen Client (Planned), SAE J1939 Client (Planned)

FRONT VIEW



BACK VIEW

