

# RUT956

## INDUSTRIAL CELLULAR ROUTER



RUT956 360° VIEW

RUT956 is an industrial router that combines dual-SIM cellular 4G LTE, Wi-Fi, and wired connectivity options and additionally offers GNSS capabilities. Automatic WAN failover ensures solution uptime even if the primary connection is lost. Serial communication interfaces enable integrating more varied devices to the solution ecosystem, even legacy equipment. Digital and analog Inputs/Outputs with advanced RutOS software features facilitate equipment control, automation, and event notifications. Packed with advanced industrial software features, including Modbus, SNMP, TR-069, NTRIP, MQTT, and multiple VPNs.



### CONNECTIVITY

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

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### MULTIPLE INTERFACES

Ethernet, Serial (RS232, RS485) and multiple Inputs/Outputs for any industrial connectivity use case

### GNSS

Global Navigation Satellite System for location services and time synchronization



## RMS

REMOTE  
MANAGEMENT  
SYSTEM

# COMPATIBLE WITH RUT956

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                | 16 MB, SPI 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  |
| 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), 1 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),<br>1 x analog input (0 - 24 V; with 4-20 mA capability),<br>1 x Digital non-isolated input (on 4-pin power connector, 0 - 5 V detected as logic low,<br>8 - 30 V detected as logic high), 1 x digital open collector output (30 V, 250 mA),<br>1 x SPST relay output (40 V, 4 A),<br>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 75 °C  |
| Housing                | Aluminium housing, plastic panels  |
| Dimensions (W x H x D) | 110 x 50 x 100 mm  |
| Weight                 | 287 g  |

## SOFTWARE

|                           |  |
|---------------------------|--|
| Operating system          | RutOS (OpenWrt based Linux OS)   |
| Mobile features           | 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          | 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, SSL certificate generation  |
| VPN and tunneling         | OpenVPN, OpenVPN Encryption, 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                  | BacNET, OPC UA, Modbus, Data to Server, Modbus MQTT GATEWAY, DNP3, DLMS/COSEM  |
| Location Tracking         | GNSS, Coordinates, NMEA, NTRIP, Server software, Geofencing  |

**FRONT VIEW**

**BACK VIEW**

