

Ikonic Technology Limited +44(0)1706 360 000 www.ikonic.com

TELTONIKA INDUSTRIAL CELLULAR ROUTER

// 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.

DUAL SIN

With auto failover, backup WAN

and other switching scenarios

CONNECTIVIT

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

MULTIPLE INTERFACES

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

GNSS

TELTONIKA | Networks

RUT956

(9-30 VDC) + OF - (GND)

AUX ANTENNA

ELTONIKA NETWORKS UAB K. Barsausko st. 66

> Global Navigation Satellite System for location services and time synchronization



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KEY FEATURES

TELTONIKA

REQUEST A QUOTE TODAY

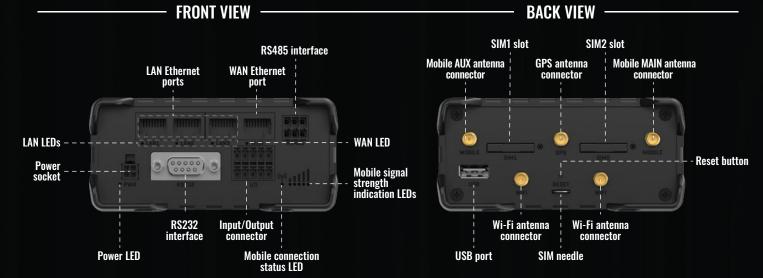
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HARDWARE

Serial

| 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 |
| Storage | 16 MB Flash |
| Memory | 128 MB RAM |
| Powering option | 4-pin industrial 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 mobile, 2 x RP-SMA for Wi-Fi, 1 x SMA for GNSS |
| Ethernet | 4 x 10/100 RJ45 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, QZSS |
| Inputs/Outputs | On 4-pin socket: 1 x Digital input, 1 x Digital open collector output On 10-pin socket: 1 x Isolated digital input, 1 x Digital dry input, 1 x Analog input, 1 x Isolated open collector output (requires external voltage), 1 x Relay output (non-latching) |
| Serial | 1 x RS232, 1 x RS485 |
| Other | 1 x USB host |
| Status LEDs | 1 x Bi-Color connection type, 5 x Signal strength, 4 x Ethernet, 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 | Auto APN, Band lock, SIM switch, Operator black/white list, Data/SMS limits |
| Network features | Routing, Failover, Firewall, DHCP, DDNS, QoS / SQM, Load Balancing, VolP passthrough, Connec- tion monitoring, SSHFS |
| Monitoring and Management | WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS |
| Cloud solutions | RMS, FOTA, Azure IoT Hub, Cumulocity - Cloud of Things, ThingWorx |
| NTP | NTP Server, NTP Client, Sync with: External NTP server, GNSS, Mobile operator |
| GNSS | NMEA forwarding, AVL, Geofencing |
| Modbus | TCP client, TCP server, RTU master, RTU gateway, Modbus over MQTT |
| | |

Console, Over IP, Modem, NTRIP, Modbus



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