

# 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), 3G, 2G
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)
Antenna connectors	2 x SMA for mobile, 2 x RP-SMA for WiFi, 1 x SMA for GPS
Ethernet	4 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN
WiFi	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 with DIN rail mounting option, plastic panels with flat mounting option
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, VoIP passthrough, Connection 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, Cloud of Things, Cumulocity, ThingWorx
NTP	NTP Server, NTP Client, Sync with: External NTP server, GNSS, Mobile operator
GNSS	NMEA forwarding, AVL, Geofencing
Modbus	TCP slave, TCP master, RTU master, RTU gateway, Modbus over MQTT
Serial	Console, Over IP, Modem, NTRIP, Modbus

### FRONT VIEW

### BACK VIEW

