RUT951

INDUSTRIAL CELLULAR ROUTER

RUT951 360° VIEW

// RUT951 took the best features from one of the most popular Teltonika Networks cellular routers - RUT950.

// This device features dual SIM 4G cellular connectivity combined with Wi-Fi and 4 Ethernet interfaces to meet the needs of the most varied IoT solutions.

// Automatic WAN failover to an available backup connection ensures network continuity and eliminates downtime.

// Powered by RutOS that offers customization options for professional use, automation features, and top-level security for your solution.

// Compatible with the Teltonika Networks Remote Management System (RMS) enables secure remote management to save time and expenses.

MAIN ANTENNA   AUX ANTENNA

TELTONIKA | Networks

Made in Lithuania
TELTONIKA NETWORKS UAB
K. Barsausko st. 66
LT-51436 Kaunas, Lithuania

RUT951

(9-30 VDC) + - (GND)
INPUT   OUTPUT

Default IP: 192.168.1.1

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

DUAL SIM
With auto failover, backup WAN and other switching scenarios

WI-FI
Wireless Access Point with Hotspot functionality

WAN FAILOVER
Automatic switching to available Backup connection

RMS
REMOTE MANAGEMENT SYSTEM
COMPATIBLE WITH RUT951
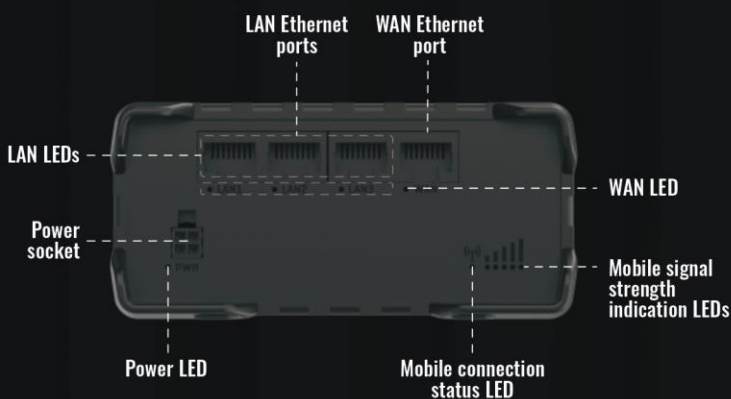
MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

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	4pin power socket, 9-30 VDC
SIM	2 x External SIM holders (2FF)
Antenna connectors	2 x SMA for mobile, 2 x RP-SMA for WiFi
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)
Inputs/Outputs	On 4pin socket: 1 x Digital input, 1 x Digital open collector output
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	Failover (Network backup), VLAN, QoS, Load Balancing
Routing	Static routes, Dynamic routes (BGP, OSPFv2, RIPv1/v2, EIGRP, NHRP), Routing rules
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Hotspot	External/Internal Radius, SMS OTP, MAC authentication, Walled Garden
Supported Hotspot platforms	IronWiFi, HotspotSystem, Cloud4Wi, SAI + WiFi, MugiCloud, Purple.ai
SMS features	SMS status, SMS configuration, Send/Read SMS via HTTP POST/GET, EMAIL to SMS, SMS to Email, SMS to HTTP, SMS to SMS, scheduled SMS, SMS autoreply, SMPP
Services	DDNS, VRRP, Wake On Lan (WOL), WEB filter, UPNP, Traffic Logging

FRONT VIEW

LAN Ethernet ports
WAN Ethernet port
LAN LEDs
Power socket
WAN LED
Mobile signal strength indication LEDs
Power LED
Mobile connection status LED

BACK VIEW

SIM1 slot
SIM2 slot
Mobile AUX antenna connector (SMA female)
Mobile MAIN antenna connector (SMA female)
Wi-Fi antenna connector (RP-SMA female)
Wi-Fi antenna connector (RP-SMA female)