RUT901

INDUSTRIAL CELLULAR ROUTER

RUT901 360° VIEW

// The RUT901 cellular router delivers the top-rated features of its predecessors, the RUT950 and RUT951, to the market.

// The router features dual SIM 4G cellular connectivity and Wi-Fi, as well as 4x Ethernet interfaces, to meet the needs of the many varied IoT solutions.

// The device guarantees high-performance, providing automatic WAN failover to an available backup connection, guaranteeing network continuity and eliminating downtime.

// The RUT901 is dedicated to professional industrial use cases with its high customization possibilities, security features, industrial protocols, and compatibility with Teltonika Networks' Remote Management System (RMS).

MAIN ANTENNA   AUX ANTENNA

TELTONIKA | Networks

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

RUT901   CE EHE

(9-30 VDC) + - (GND)
INPUT   OUTPUT
Default IP: 192.168.1.1
User/Pass: admin/admin01

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

FIREWALL & VPNs

Firewall and numerous VPN services, including OpenVPN, IPsec, PPTP, L2TP and DMVPN

RMS
REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH RUT901

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

KEY FEATURES

HARDWARE

Mobile	4G (LTE) – Cat 4 up to 150 Mbps, 3G – Up to 21 Mbps, 2G – Up to 236.8 kbps
CPU	MediaTek, MIPS 24KEc, 580MHz
Storage	16 MB, SPI Flash
Memory	128 MB, DDR2
Powering option	4-pin 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 female for LTE, 2 x RP-SMA female for WiFi antenna connectors
Ethernet	4 x RJ45 ports, 10/100 Mbps
Wi-Fi	IEEE 802.11b/g/n, Access Point (AP), Station (STA)
Inputs/Outputs	1 x Digital Input, 1 x Digital Output on 4-pin power connector
Status LEDs	1 x bi-color connection status LED, 5 x connection strength LEDs, 4 x LAN status LEDs, 1 x Power LED
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	297 g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	SIM switch, Status, SMS, Black/White list, Band management, APN, Bridge, Passthrough
Network protocols	VoIP passthrough support, Connection monitoring, Firewall, DHCP, QoS / Smart Queue Management (SQM), DDNS, Network backup, Load balancing, SSHFS
Network features	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSL v3, TLS, ARP, VRRP, PPP, PPPoE, UPNP, SSH, DHCP, Telnet, SMPP, SMNP, MQTT, Wake On Lan (WOL)
Security	Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control
Routing	Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, NHRP)
VPN	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard
Monitoring and management	WEB UI, FOTA, SSH, SMS, Call, TR-069, MQTT, SNMP, JSON-RPC, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget Reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, Cloud of Things, ThingWorx, Cumulocity, Azure IoT Hub
Hotspot	Captive portal (Hotspot), internal/external Radius server, built in customizable landing page
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

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)

HYPER-TECH Systems

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