

# 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).



### 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 COMPATIBLE WITH RUT901

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

# KEY FEATURES

## HARDWARE

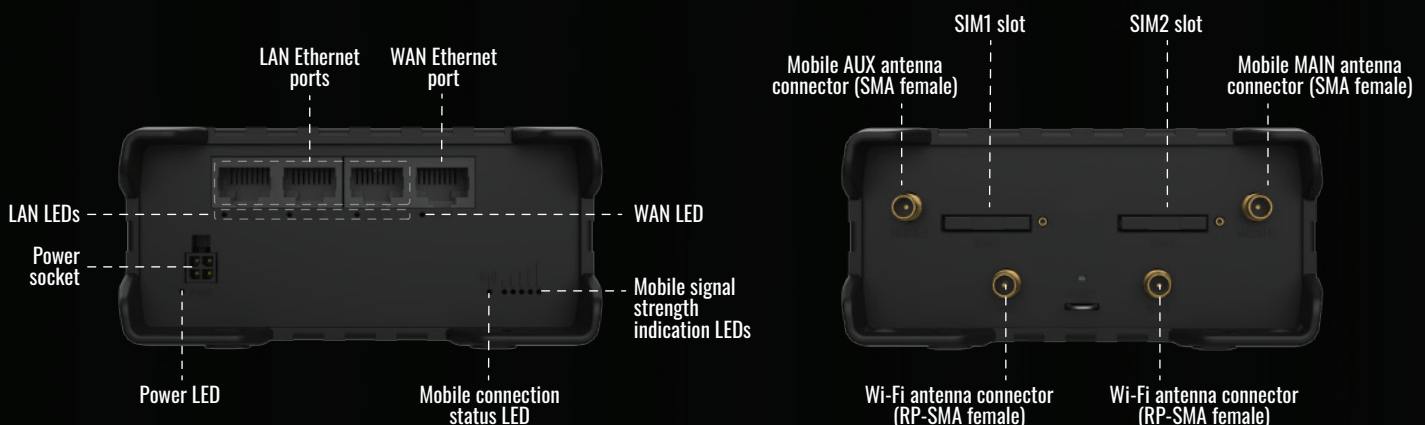
|                        |  |
|------------------------|--|
| Mobile                 | 4G (LTE) – Cat 4 up to 150 Mbps, 3G – Up to 21 Mbps, 2G – Up to 236.8 kbps                           |
| CPU                    | MediaTek, MIPS 24KEc, 580MHz   |
| Storage                | 16 MB, SPI Flash   |
| Memory                 | 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

### BACK VIEW



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