

# RUT230

## 3G INDUSTRIAL CELLULAR ROUTER

Compact, robust and powerful device tailored for Industrial M2M/IoT applications where no high data throughput is needed. RUT230 is equipped with 2 x Ethernet and Wireless interfaces. Device provides secure and stable Internet connectivity for Industrial applications using RutOS software and security features such as OpenVPN, IPsec, Firewall, Hotspot, SMS control and RMS support.



Worldwide 3G network coverage



Automatic switching to available Backup connection



Wireless Access Point with Hotspot functionality



Compact size, easy integration



Digital Input/Output for remote monitoring and control



Teltonika Remote Management System compatible

### VALUABLE

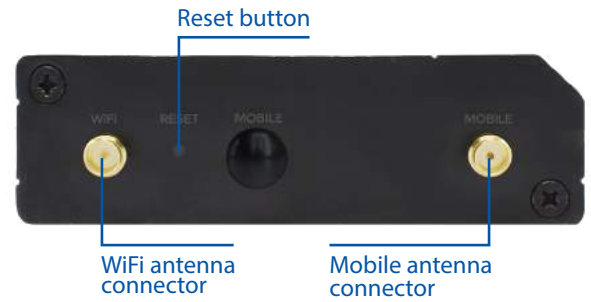
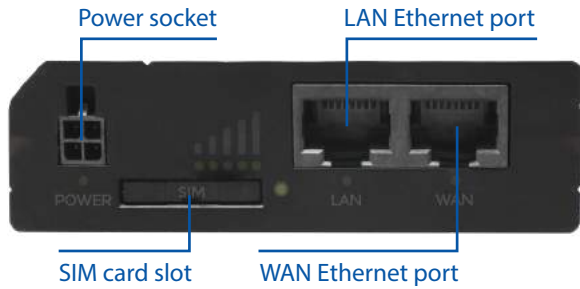
- Compact size
- Feature-rich
- Suitable for multiple sectors

### FLEXIBLE

- Supports a wide range of industrial networking protocols
- 3 alternative Internet sources
- Digital I/O

### SECURE

- Multiple VPN options
- Embedded Firewall
- Various encryption protocols supported



### Hardware

|                       |  |
|-----------------------|--|
| Mobile                | 3G HSPA+ Up to 14.4 Mbps; UMTS; EDGE; GPRS; CSD                                |
| CPU                   | Atheros Hornet, MIPS 24Kc, 400 MHz   |
| Memory                | 16 MB Flash, 64 MB DDR2 RAM  |
| Ethernet              | 2 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 1 x LAN              |
| Power supply          | 9 – 30 VDC, 4 pin DC connector   |
| Inputs/Outputs        | 1 x Digital Input, 1 x Digital Open Collector Output on power connector        |
| Connectors            | 1 x 4 pin DC, 2 x Ethernet, 1 x Mobile SMA, 1 x WiFi RP-SMA                    |
| SIM                   | 1 x external SIM holder  |
| Status LEDs           | 2 x connection type status, 5 x connection strength, 2 x LAN status, 1 x Power |
| Operating temperature | -40 °C to 75 °C  |
| Housing               | Aluminium housing, plastic panels  |
| Dimensions            | 83 mm x 74 mm x 25 mm  |
| Weight                | 125 g  |

### Software

|                            |  |
|----------------------------|--|
| Operating system           | RutOS (OpenWrt based Linux OS)   |
| Multiple PDN               | Possibility to use different PDNs for multiple network access and services   |
| Network protocols          | TCP, UDP, IPv4, IPv6, ICMP, NTP, DHCP, DNS, HTTP, HTTPS, SSL v3, TLS, ARP, PPPoE, UPNP, SSH, Telnet, SNMP, FTP, SMTP, PPP, MQTT, Wake On Lan (WOL) |
| Networking features        | NAT, Static/Dynamic routing, Firewall, OpenVPN, IPsec, H.323 and SIP-alg protocol NAT helpers, allowing proper routing of VoIP packets             |
| Unique networking features | VLAN, Load balancing, Mobile quota control, WEB Filter, Network Backup, Auto Failover  |
| Connection monitoring      | Ping Reboot, Periodic Reboot, Wget Reboot, LCP and ICMP for link inspection  |
| Authetication              | Pre-shared key, digital certificates, X.509 certificates   |
| Keep settings              | Update FW without losing current configuration   |
| Monitoring & Management    | WEB UI, SSH, SMS, SNMP, JSON-RPC, FOTA, RMS  |
| Supported languages        | Busybox shell, Lua, C, C++   |
| Development tools          | SDK package with build environment provided  |

