

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 MBytes Flash, 128 MBytes 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
PoE (passive)	Passive PoE over spare pairs (available from HW revision 0007 and batch number 0010). Possibility to power up through LAN port, not compatible with IEEE802.3af and 802.3at
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
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
Authentication	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

