RUT900

3G INDUSTRIAL CELLULAR ROUTER

This router is equipped with Dual-SIM, 4 x Ethernet interfaces and WiFi. RUT900 is a robust and powerful device tailored for Industrial M2M/IoT applications where no high data throughput is needed. RUT900 comes with core RutOS software and security features such as OpenVPN, IPsec, Firewall, Auto Failover, SMS control and RMS support.

3G
Worldwide 3G network coverage

WAN failover
Automatic switch to available backup connection

Wireless Access Point with Hotspot functionality

Dual SIM – significantly reduce roaming costs

4x
4x Ethernet ports with VLAN functionality

RMS
Teltonika Remote Management System compatible

RELIABLE

Automatic SIM switch

Self-diagnosing

3 alternative Internet sources

RUGGED

Durable aluminium housing

Operating temperature range (-40 °C to 75 °C)

Multiple mounting options

SECURE

Multiple VPN options

Embedded Firewall

Various encryption protocols supported

LAN Ethernet ports   WAN Ethernet port

Power socket

3G antenna connectors

WiFi antenna connectors

SIM card slots
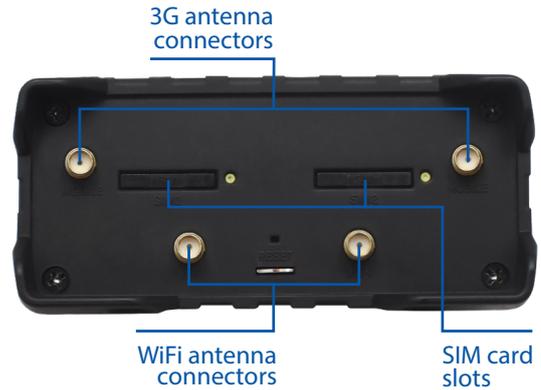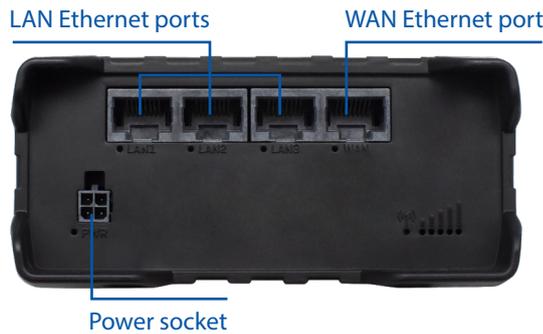
Hardware

Mobile	3G HSPA+ Up to 14.4 Mbps; UMTS; EDGE; GPRS; CSD
CPU	Atheros Wasp, MIPS 74Kc, 550 MHz
Memory	16 MB Flash, 128 MB DDR2 RAM
Ethernet	4 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN ports
Power supply	9 – 30 VDC, 4 pin DC connector
PoE (passive)	Passive PoE over spare pairs. Possibility to power up through LAN port, **not compatible** with IEEE802.3af and 802.3at standards
Inputs/Outputs	1 x Digital Input, 1 x Digital Open Collector Output on power connector
Connectors	1 x 4 pin DC, 4 x Ethernet, 2 x Mobile SMA, 2 x WiFi RP-SMA
SIM	2 x external SIM holders
Status LEDs	1 x bi-color connection status, 5 x connection strength, 4 x LAN status, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing, plastic panels
Dimensions	100 mm x 110 mm x 50 mm
Weight	256 g

Software

Operating system	RutOS (OpenWrt based Linux OS)
SIM switch	2 SIM cards, auto-switch cases: weak signal, data limit, SMS limit, roaming, no network, network denied, data connection fail
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, Load Balancing, 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