RUT955

LTE CAT4 INDUSTRIAL CELLULAR ROUTER

Most feature rich device within RUT9 router series. Equipped with Dual-SIM, 4 x Ethernet, WiFi and RS232, RS485, USB interfaces and Inputs/Outputs. RUT955 comes with RutOS advanced software features such as Modbus, SNMP, TR-069, NTRIP, MQTT protocol support and custom GNSS tracking protocol that is compatible with Global AVL tracking platforms.

LTE Cat 4

LTE Cat 4 with speeds up to 150 Mbps

Dual SIM – significantly reduce roaming costs

GNSS positioning with geofencing functionality

RS232
RS485

RS232/RS485 serial communication interfaces

I/O

Multiple Inputs/Outputs for remote monitoring and control

RMS

Teltonika Remote Management System compatible

RELIABLE

Automatic SIM switch

Self-diagnosing

3 alternative Internet sources

PROFESSIONAL

Location tracking via integrated GNSS (GPS, GLONASS)

All necessary physical interfaces in one device

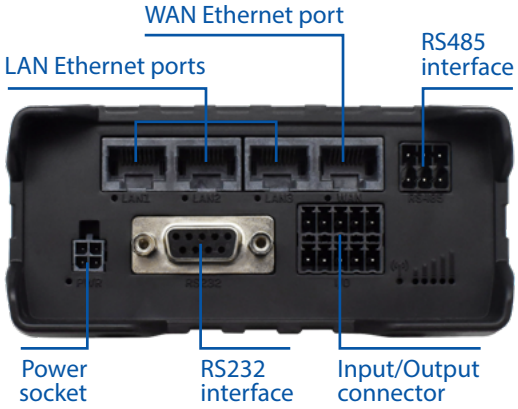
Supports wide range of industrial networking protocols

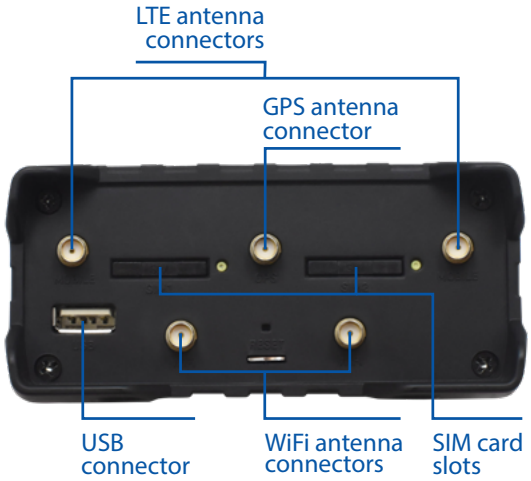
SECURE

Multiple VPN options

Embedded Firewall

Various encryption protocols supported





Hardware

Mobile	4G (LTE) – Cat 4 DL up to 150 Mbps, UL up to 50 Mbps; DC-HSPA+; UMTS; TD-SCDMA; EDGE; GPRS
CPU	Atheros Wasp, MIPS 74Kc, 550 MHz
Memory	16 MBytes Flash, 128 MBytes 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
Inputs	3 x Inputs (Digital, Digital galvanically isolated, Analog) + 1 Digital Input on power connector
Outputs	2 x Outputs (30 V, 250 mA digital open collector output / 24 V, 4 A SPST relay output) + 1 Digital O.C. Output on power connector
Connectors	1 x 4 pin DC, 4 x Ethernet, 2 x Mobile SMA, 2 x WiFi RP-SMA , 1 x GPS SMA, 1 x RS232, 1 x 6 pin RS485, 1 x 10 pin I/O, USB 2.0
Memory Card	microSD, Hinge Type slot
SIM	2 x external SIM holders
Status LEDs	1 x bi-color connection status, 5 x connection strength, 4 x LAN status, 1x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing, plastic panels
Dimensions	100 mm x 110 mm x 50 mm
Weight	287 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

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