RUT850

LTE CAT4 AUTOMOTIVE CELLULAR ROUTER

E-mark certified, ultra-slim router equipped with Ignition detection (sleep mode), Overvoltage Protection and Automotive FAKRA connectors. RUT850 comes with RutOS software and security features such as Firewall, Hotspot, SMS control, RMS support and custom GNSS tracking protocol that is compatible with main Global AVL tracking platforms.

LTE Cat 4

LTE Cat 4 up to 150 Mbps

GNSS positioning with geofencing functionality

Wireless Access Point with Hotspot functionality

Ignition detection (sleep mode)

Vibration resistant FAKRA connectors
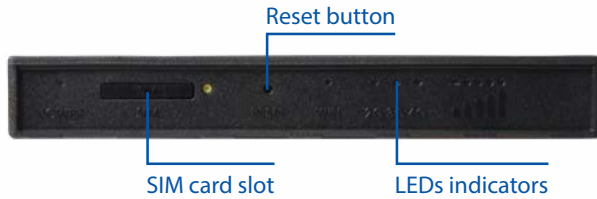
Teltonika Remote Management System compatible

DESIGN

E-Mark certification for Automotive market

Made to conserve battery power

Tested in the toughest environments

ADVANCED

Can support up to 80 WiFi clients

Embedded Hotspot management

Integrated GNSS (GPS, GLONASS)

READY TO DEPLOY

Special automotive antennas

Easy to install

Will withstand operating temperatures from -40 °C to 75 °C

Reset button

SIM card slot   LEDs indicators

GPS antenna connector

Power socket   LTE antenna
                                connectors

Hardware

Mobile	4G (LTE) – Cat 4 DL up to 150 Mbps, UL up to 50Mbps; DC-HSPA+; UMTS; TD-SCDMA; EDGE; GPRS
CPU	Atheros Wasp, MIPS 74Kc, 550 MHz
Memory	16 MBytes Flash, 64 MBytes DDR2 RAM
Power supply	9 – 30 VDC, 4 pin DC connector
Inputs/Outputs	1 x Digital Ignition detection input
Connectors	1 x 4 pin DC, 2 x Mobile FAKRA, 1 x GNSS FAKRA
SIM	1 x external SIM holder
Status LEDs	3 x connection type status, 1 x WiFi status , 5 x connection strength, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Polycarbonate plastic
Dimensions	131 mm x 79 mm x 18 mm
Weight	115 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
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, 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, JSON-RPC, FOTA, RMS
Supported languages	Busybox shell, Lua, C, C++
Development tools	SDK package with build environment provided