

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 with speeds 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 -40 °C to 75 °C operating temperatures



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 | Aluminium housing, plastic panels |
| Dimensions | 131 mm x 79 mm x 18 mm |
| Weight | 115 g |

Software

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|----------------------------|--|
| 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, Load Balancing, 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 |

