

Router for fixed or mobile installation

Router 2,3,4G LTE with GPS and i/o relay

Reliable and secure LTE router with I/O, GPS and RS232/RS485 for professional applications.

It delivers high performance for mission-critical cellular communication and is equipped with connectivity redundancy through dual SIM failover. A large number of criteria can be set for automatic switching between the two SIM-cards. GPS location and positioning capabilities that could be used with mapping software in a PC or for tracking of a vehicle.

External antenna connectors make it possible to attach desired antennas.

We recommend Mobile Mark LTM 502 LTM 402 or LTM302 antennas as a partner to this router.

IO interfaces makes it possible to control equipment via SMS or web interface.

Example of equipment that could be controlled via IO ports is diesel heater, lighting, central door locking and much more. IO inputs could for example be used for alarm, temperature or voltage sensors.

Scheduling of triggers, switches and actions are possible in the calendar function

Commands, switches and triggers can be managed thru SMS

Secure VPN tunnels thru protocols Open VPN IPsec GRE L2TP or PPTP

Key Features:

- LTE DC-HSPA+ Multiple LTE FDD bands
- IEEE 802.11b/g/n WiFi with 2x2 MIMO up to 300 Mbps
- OpenVPN, PPTP, L2TP, IPsec, VRRP, GRE Tunnel
- SMS Control, WiFi Hotspot, Mobile on Demand, Backup WAN
- Input Triggers, Samba Share, GPS
- Four Ethernet ports, IO ports 3 x input, 2 x output ports
- 4 pin industrial socket for 2/4 wire RS485
- DB9 socket for full-featured RS232
- USB type-A socket for external devices
- Durable aluminum housing
- External antennas
- Dual SIM
- Dual FW image
- Calendar schedule functions

Applications and Industries:

- Wind Energy
- Utilities
- Transportation
- Construction
- ATM
- Field Service
- Oil and Gas Industry
- Public Safety
- Rail
- Water industry
- Building Management
- Digital Signage
- Remote Media
- Vehicle

Keeping your world connected

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LTE / UMTS / GSM/GPRS/EDGE

- FDD 800(B20)/850(B5)/900(B8)/1800(B3)/1900(B2)/2100(B1)/2600(B7) MHz
- 850/900/1900/2100 MHz
- 850/900/1800/1900 MHz

Ethernet

- 3 x LAN 1 x WAN 10/100 Mbps Ethernet port

WiFi

- IEEE 802.11b/g/n WiFi standards
- 64/128-bit WEP, WPA, WPA2, WPA&WPA2 encryption methods

Software

- OpenVPN, IPsec, GRE, L2TP, PPTP
- Backup WAN
- PPPoE
- Dynamic DNS
- SMS and ping reboot, periodic reboot
- Status, configuration via SMS
- Send/read SMS via HTTP POST/GET
- Monitoring by SNMP, SNMP trap
- System log to record the status of the router
- VRRP
- Wireless hotspot with or without RADIUS server
- SIM card switch controlled by signal, data limit, roaming
- RS232/485 serial console
- RS232/485 over IP
- Input triggers for SMS, e-mail, SIM card, profile, WiFi, reboot, output
- Configuration profiles
- Dual image with safemode firmware
- Firmware update from bootloader via WebUI
- Restore point
- Calendar for scheduled of actions

Hardware

- High performance 560 MHz CPU with 128 Mbytes of DDR2 memory
- 2 pin industrial DC power socket
- Attachable DIN rail adapter
- 4 pin industrial socket for 2/4 wire RS485
- DB9 socket for full-featured RS232
- USB A socket for external devices
- Reset/restore to default button
- 2 x SMA for LTE, 1 x SMA for GPS, 2 x RP-SMA for WiFi antenna connectors
- 4 x Ethernet LEDs, 1 x power LED
- 1 x bi-color connection status LED, 5 x connection strength LEDs
- 10 pin industrial socket for inputs/outputs:
- 0 - 3 V digital input
- 0 - 30 V digital galvanically isolated input
- 0 - 24 V analog input
- 30 V, 250 mA digital open collector output
- 40 V, 4 A SPST relay output

Electrical, Mechanical & Environmental

- Dimensions (H x W x D) 80 mm x 106 mm x 46 mm
- Weight 280 g
- Input voltage range 9 – 30 VDC
- Power consumption < 7 W
- Operating temperature -40 °C to 75 °C
- Operating humidity 10 % to 90 % non-condensing

Antenna suggestion Mobile Mark LTM502

- 2 x 2,3,4G, LTE (694-960 MHz, 3 dBi & 1710-3700 MHz)
- 2 x WiFi 2,4Ghz / 5 GHz
- GPS
- IEEE1478, EN61373, MIL-810G, TIA 329.2-C
- Dimensioner (140mm x 60.4mm)

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