

MTX-Router-Helios II

Industrial LTE Router 4 Ethernet ports and WiFi



Quad Band LTE
Tri Band HSPA+
UMTS (WCDMA)



Wi-Fi b/g/n
Access Point



4 x Ethernet



USB 2.0
RS232/RS485



Industrial
Temperature
Range



DIO



DynDNS/No-IP
compatible



SMS alarms and
control



Firewall



Web server



The MTX-Router-Helios II is the new LTE industrial router developed for industrial applications. The router has some special features that make this device the perfect solution for harsh environments such as in-vehicle use, factory, traffic panel information systems, wind and solar farms, etc...

Plenty of interfaces: 4 x Ethernet, WiFi 802.11n, USB, RS232, Dual SIM it can be used for many different **M2M and IoT applications**. A LTE modem is attached internally.

The MTX-Router-Helios II also includes advanced functionalities such as:

DHCP server, NAT, QoS, Firewall, WiFi Access Point, Captive portal, 4G to RS232 gateways, Modbus RTU to Modbus TPC gateway, VPN tunneling (IPsec, PPTP, GRE and Open VPN), DynDNS/NoIP client, Digital I/O control, remote firmware upgrade, among others.

MTX-Router-Helios II

General features

- 4G router
 - LTE
800/900/1800/2600MHz (EU version)
 - UMTS/HSPA+
900/2100MHz (EU version)
- 3G connectivity supervisor to maintain connection always active
- Metal enclosure
- DHCP server (for Ethernet and WiFi interfaces)
- Captive portal with Radius authentication
- NAT / IP Firewall
- QoS
- Modbus TCP to Modbus RTU
- Serial tunneling
- DynDNS, NoIP
- Digital input output remote control
- Programmable autoreset
- Operating status LEDs
- VPN tunneling (IPsec, PPTP, GRE and Open VPN)
- VLAN management
- Remote management (Web, SSH, Telnet, SMS)
- Remote firmware upgrade
- Supply voltage range:
 - DC redundant input: +9Vdc to +48Vdc
- Operating temperature range: -20°C to 70°C
- Dimensions, excluding connectors or cable glands: 187 x 110 x 31mm
- Weight: <600 g
- Wallmount and DinRail kits included

Interfaces

- 4 x Ethernet 10/100 BaseT RJ45
- Internal Wi-Fi b/g/n (AP support)
- USB 2.0
- 1x RS232 (4-wire) / RS485/2x RS232 (2-wire)
- 2x Digital input/output
 - Input 3.3V-30V
 - Output Maximum voltage 30V 1A
- Operating status LEDs
- Dual SIM card interface 1.8V/3V
- Console port connector
- 4 x SMA antenna connectors for WiFi and LTE
- Terminal block for power redundant power input

Specifications

- **LTE FDD (3GPP Release 6,7)**
 - DL 100Mbps, UL 50Mbps
 - MIMO
- **HSPA+ (3GPP Release 7)**
 - DL 84Mbps, UL 22Mbps
 - MIMO
- **HSPA (3GPP Release 6,7)**
 - DL 7.2Mbps, UL 5.7Mbps
 - HSDPA Cat.8 / HSUPA Cat.6 data rates
- **GPRS**
 - GPRS class 12
 - Mobile station class B
 - PBCCH support
 - Coding schemes CS 1-4

Ordering information

MTX-Router-Helios II LTE WIFI 4xETH : 502300034