

MTX-ROUTER-HELIOS II

LTE/4G/3G/2G & 4x Ethernet industrial IoT router

The MTX-Router-Helios II for industrial applications has features 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, DynDNS/NoIP client, digital I/O control, remote firmware upgrade, etc.



MAIN FEATURES



4G/3G/2G



2x Ethernet



RS232



RS485



WiFi



DIN rail



VLAN



DHCP



Firewall



Serial tunnelling



Dyn-DNS



Programmable autoreset



Remote management

-  DC: 9-48 Vdc
-  Temperature range: -20° to +70°C
-  Dimensions: 187x110x31mm
-  Weight: <600gr

Preliminary Datasheet. Subject to changes | 2020/05
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HARDWARE FEATURES

MTX-ROUTER-HELIOS II 4G



LTE 800, 900, 1800, 2600MHz; UMTS/HSPA+ 900, 2100MHz

4G

LTE Cat.4 FDD: B1, B3, B7, B8, B20: DL 150Mbps, UL 50Mbps; MIMO

3G

HSPA (3GPP release 6, 7) B1, B8: DL 7.2Mbps, UL 5.7Mbps; HSDPA Cat.8/HSUPA Cat.6 data rates

2G

GPRS B3, B8: Class 12; mobile station class B; PBCCH support; coding schemes CS 1-4



BD/GLONASS/GPS

Interfaces



4G/3G/2G connectivity



4x Ethernet 10/100 BaseT



USB 2.0



1x RS232 (4-wire)



1x RS485/232 (2-wire)



2x digital input/output



Operating LEDs



Dual SIM card interface 1.8V/3V



Internal WiFi 802.11 b/g/n



Console port connector



Terminal block for power redundant power input



GPS

Connectors



4x SMA F antenna connectors: GSM/GPS



1x SMA F RP antenna connector: WiFi



4x RJ45: Ethernet 10/100 BaseT



1x USB connection A Type



1x RJ45 console port connector



1x DB9: RS232/485



2x SIM cards



Terminal block: power input

Packing List Included



Power adapter



DIN rail and wallmount kits



Console port cable



Ethernet cable



WiFi antennas



LTE antennas

SOFTWARE FEATURES

-  4G connectivity supervisor to maintain connection always active
-  DHCP server
-  Captive portal with radius authentication
-  NAT/IP firewall
-  QoS
-  Modbus TCP to Modbus RTU
-  Serial tunnelling
-  DynDNS, NoIP
-  Programmable autoreset
-  VPN tunneling (IPsec, PPTP, GRE and open VPN)
-  VLAN management
-  Remote management (web, SSH, Telnet)
-  Remote firmware upgrade

ORDERING INFORMATION

MTX-Router-Helios II LTE WiFi GPS 4xETH

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