

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
 MTX © by MATRIX ELECTRONICA S.L.U.
 SUPPORT: iotsupport@mtx2m.com
 SALES: info@mtx2m.com
mtx2m.com

HARDWARE FEATURES

MTX-ROUTER-HELIOS II 4G



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



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



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



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

ORDERING INFORMATION

MTX-Router-Helios II LTE WiFi GPS 4xETH

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