

# MTX-ROUTER-HELIOS Lite 4G

## LTE/4G & dual Ethernet compact industrial IoT router

The MTX-Router-Helios Lite 4G is developed for industrial applications. The router has a very compact design with a very rugged enclosure and accessories to be mount in a DIN rail or wall mount. This is the best choice if you are looking for a simple but industrial 4G router to connect your device or network into the cellular network. It features dual-Ethernet, VPN client and 3 antennas included. The MTX-Router-Helios Lite can be used in many different IOT applications like kiosk, telemetry, remote sensing, smart grid, security, industrial automation, 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: 5-35 Vdc
- 🌡️ Temperature range: -35° to +75°C
- 📏 Dimensions: 136x99x28mm
- 🐦 Weight: 390gr

Preliminary Datasheet. Subject to changes | 2020/05  
MTX © by MATRIX ELECTRONICA S.L.U.  
**SUPPORT:** [iotsupport@mtx2m.com](mailto:iotsupport@mtx2m.com)  
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## HARDWARE FEATURES

### MTX-ROUTER-HELIOS Lite 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

#### Interfaces



4G/3G/2G connectivity



2x Ethernet 10/100 BaseT



1x RS232 (4-wire) or 1x RS485/232 (2-wire)



WiFi 802.11 b/g/n (optional)



Operating LEDs



SIM card interface 1.8V/3V



Console port connector



DIN rail

#### Connectors



2x RJ45: Ethernet 10/100 BaseT



1x RJ45: console port connector, RS232/485



SIM card



2x SMA F antenna connectors: GSM



1x SMA F RP antenna connector: WiFi



DC power jack: power input

#### Packing List Included



Power adapter



DIN rail and wallmount kits



Console port cable



Ethernet cable










WiFi antennas



LTE antennas

## SOFTWARE FEATURES

- |  |                                  |   |   |
|--|----------------------------------|---|---|
|  DHCP | DHCP server                      |  | Schedule reboot, schedule online and off-line |
|       | NAT/IP firewall                  |  | VLAN management                               |
|       | Serial tunnelling                |  | Remote management (web, SSH, Telnet)          |
|       | Multiple DDNS provider supported |  | Remote firmware upgrade                       |

## ORDERING INFORMATION

MTX-Router-Helios Lite 4G WiFi

**502300045**