

# MTX-ROUTER-HELIOS Lite 3G

## 3G/2G compact industrial IoT router

The MTX-Router-Helios Lite 3G is the new industrial router 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 GPRS or 3G router to connect your device or network into the cellular network. The MTX-Router-Helios Lite can be used in many different IOT applications like kiosk, telemetry, remote sensing, smart grid, security, industrial automation, etc...



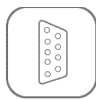
## MAIN FEATURES



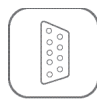
4G  
3G/2G



Ethernet



RS232



RS485



WiFi



DIN  
Rail



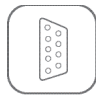
VLAN



DHCP



Firewall



Serial  
tunnelling







Dyn-DNS



Programmable  
autoreset






Remote  
management

-  DC: 5-35 Vdc
-  Temperature range: -35° to +75°C
-  Dimensions: 100x97x25mm
-  Weight: <320gr









Preliminary Datasheet. Subject to changes | 2020/05  
MTX © by MATRIX ELECTRONICA S.L.U.  
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## HARDWARE FEATURES







	MTX-ROUTER-HELIOS Lite 3G	MTX-ROUTER-HELIOS Lite 2G
	<b>EUROPE:</b> UMTS/HSPA+ 850/1900/2100MHz <b>US*:</b> GSM850/900/1800/1900 MHz	WORLDWIDE: Quad-Band GSM; bands: 850, 900, 1800 & 1900 MHz
	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 Class 12; mobile station class B; PBCCH support; coding schemes CS 1-4	GPRS Class 12; mobile station class B; PBCCH support; coding schemes CS 1-4

\*Optional, under request







### Interfaces

-  3G/2G connectivity
-  1x 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

-  1x RJ45: Ethernet 10/100 BaseT
-  1x RJ45: console port connector, RS232/485
-  SIM card
-  1x SMA F antenna connector: 3G
-  1x SMA F RF antenna connector: WiFi
-  DC power jack: power input

### Packing List Included

-  Power adapter
-  DIN rail and wallmount kits
-  Console port cable: RJ45 to DB9 H
-  Ethernet cable
-  WiFi antennas
-  LTE antennas

## SOFTWARE FEATURES

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

## ORDERING INFORMATION

MTX-Router-Helios Lite 3G	<b>502300037</b>
MTX-Router-Helios Lite GPRS	<b>502300038</b>
MTX-Router-Helios Lite 3G WiFi	<b>502300039</b>