# MTX-Router-Helios Lite

## *Industrial Router Ethernet port and internal 3G modem*

- Cellular Router
  Five Band
  UMTS (WCDMA)
  HSPA+
- Wi-Fi b/g/n
  Access Point
- Ethernet
- RS485
  RS232
- Industrial
  Temperature
  Range
- Web server
- DynDNS/No-IP
  compatible
- SMS alarms and
  control
- Firewall
- DIN rail housing

The MTX-Router-Helios Lite 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…



MTX Terminals® by MATRIX ELECTRONICA S.L.U.

# MTX-Router-Helios II

## General features

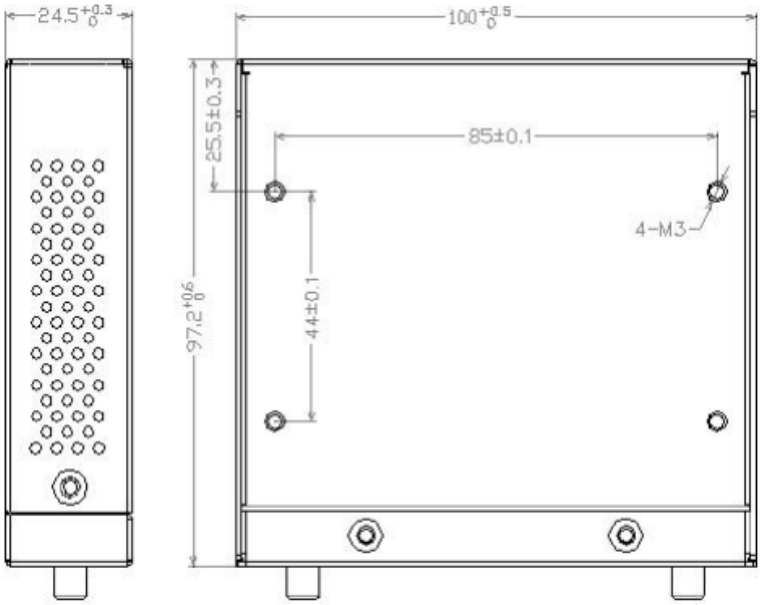
- 3G router
  - UMTS/HSPA+ 850/1900/2100MHz (EU version)
  - GSM850/900/1800/1900MHz
- Metal enclosure
- DHCP server (for Ethernet and WiFi interfaces)
- NAT / IP Firewall
- QoS
- Serial tunneling
- Multiple DDNS provider supported
- Schedule Reboot, Schedule Online and Off-line
- Operating status LEDs
- VLAN management
- Remote management (Web, SSH, Telnet)
- Remote firmware upgrade
- Supply voltage range:
  - DC redundant input: +5Vdc to +36Vdc
- Operating temperature range: -35ºC to 75ºC
- Dimensions, excluding connectors or cable glands: 100 x 97 x 25mm
- Weight: <320 g
- Power adapter, Wall mount and DinRail kits included

## Interfaces

- Ethernet 10/100 BaseT RJ45
- Optional Internal Wi-Fi b/g/n (AP support)
- USB 2.0
- 1x RS232 (4-wire) / RS4852x RS232 (2-wire)
- Operating status LEDs
- SIM card interface 1.8V/3V
- Console port connector
- 2 x SMA antenna connectors for WiFi and Cellular
- DC Jack power input connector

## Ordering information

| | |
|---|---|
| **MTX-Router-Helios Lite 3G** | **502300037** |
| **MTX-Router-Helios Lite GPRS** | **502300038** |
| **MTX-Router-Helios Lite 3G WIFI** | **502300038** |

## Specifications

- **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