

MTX-StarRoad II














Industrial LTE/4G router for automotive

The MTX-StarRoad II is an IoT router for automotive applications with its enclosure and connectors adapted to vehicles with ITxPT certification.

It stands out for its 8x digital inputs, 4x outputs, 2x configurable RS232/485 ports, 2x CAN ports, Ethernet, HDMI and GPS. Furthermore, the MTX-StarRoad II can be used as an open Linux platform on which to develop your own application. Thanks to its complete set of interfaces and the possibility of integrating client software, it is the ideal solution for intelligent transportation and vehicle monitoring solutions.



Main Features

 LTE-4G communications	 2x USB	 2x RS232/RS485	 8x digital inputs	 4x digital outputs	 2x CAN	 1x Ethernet	 1x HDMI
 GPS	 Accelem.	 Automotive	 ITxPT compliant	 Linux			

Strengths & Benefits

- It has multiple input and outputs (including 8x digital inputs, 4x digital outputs plus 2x RS232/485, 2x CAN, 1x Ethernet, and 2x USB).
- It counts with an HDMI for a high-res screen.
- It features special automotive connectors for harsh movements.

Applications

- Ideal router for automotive applications.
- Its automotive connectors especially designed to endure bumps and harsh movements make it perfect for trucks and large vehicles.

Specifications

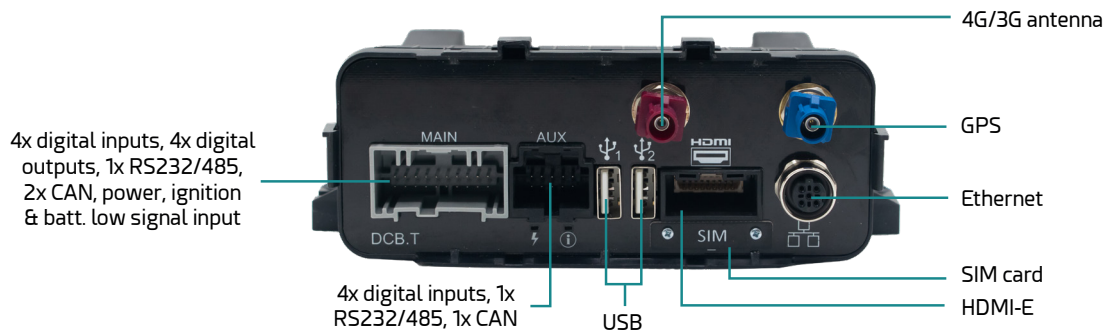
MTX-StarRoad 4G Cat.1 bis
GSM/GPRS/EDGE: Dual band 900/1800MHz
LTE: Penta band 700 (Bd28) / 800 (Bd20) / 900 (Bd8) / 1800 (Bd3) / 2100 MHz (Bd1)
LTE: UE CAT 4 supported DL 150Mbps, UL 50Mbps
GPRS Multislot Class 12 EGPRS Multislot Class 12

Interfaces

- 4G/2G connectivity
- 2x RS232/RS485 (configurable)
- 4x digital outputs
- 8x digital inputs
- 2x CAN
- 1x Ethernet
- 1x HDMI
- GPS
- Gyroscope & Accelerometer

Connectors

- Main connector (automotive): power, 4x digital inputs, 4x digital outputs, 1x RS232/485, 2x CAN, ignition & batt. low signal input
- Aux. connector (automotive): 4x digital inputs, 1x RS232/485, 1x CAN
- 1x HDMI-E connector
- 1x M12 connector: Ethernet
- 2x USB connectors
- 2x Fakra-D connector (bordeaux): LTE-4G antenna connector
- 1x Fakra-D (blue): GPS connector
- Mini PCI Express



Characteristics

- Automotive enclosure & connectors
- Status LEDs
- DC input: +24V (+9VDC to +36VDC)
- Temperature range: : -30°C - +60°C (-20°C - +60°C 4GCat1b or WiFi/BT)
- Dimensions: 153x52x134mm
- Weight: <500gr.
- ITxPT compliant
- Certifications: CE, FCC, RoHS, ISO9001

Processor

- ARM Cortex A9 at 1.2GHz:
 - 512MB RAM
 - 8GB GB eMMC Flash

Software Features

- DHCP server
- NAT/IP firewall
- Yocto BSP
- Modem control via AT commands

References

PRODUCTS

- MTX-StarRoad II-STD

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