

MTX-StarRoad II

Industrial LTE/4G Router for Automotive with 8x Inputs, 4x Outputs and CAN

The MTX-StarRoad II is an IoT router for Automotive 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



4G
3G/2G

LTE/4G



2x RS232
/RS485



8x digital
inputs



4x digital
outputs



2x CAN



1x Ethernet



1x HDMI



2x USB



GPS



Accelem.







Automotive



ITxPT
compliant







Linux

-  DC input: +24V (+9VDC to +36VDC)
-  Temperature range: -40°C to +85°C
-  Dimensions: 153x52x134mm
-  Weight: <500gr

Datasheet subject to changes | 2020/05
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 SALES: info@mtx2m.com
mtx2m.com

HARDWARE FEATURES

	MTX-StarRoad 4G Cat.4	MTX-StarRoad 4G Cat.1	MTX-StarRoad 3G
	GSM/GPRS/EDGE: Dual band 900/1800MHz UMTS/HSPA+: Dual band 900 (BdVIII) / 2100MHz (BdI) LTE: Penta band 700 (Bd28) / 800 (Bd20) / 900 (Bd8) / 1800 (Bd3) / 2100 MHz (Bd1)	GSM/GPRS/EDGE: Dual band 900/1800MHz UMTS/HSPA+: Dual band 900 (BdVIII) / 2100MHz (BdI) LTE: Penta band 700 (Bd28) / 800 (Bd20) / 900 (Bd8) / 1800 (Bd3) / 2100 MHz (Bd1)	Quad band 850/900/1800/1900MHz UMTS/HSPA+: Five band 800 / 850 / 900 / 1900 / 2100MHz
	LTE: UE CAT 4 supported DL 150Mbps, UL 50Mbps	LTE: UE CAT 1 supported DL 10.2Mbps, UL 5.2Mbps	
	HSPA: DL 7.2Mbps, UL 5.7Mbps HSDPA Cat.10 / HSUPA Cat.6 data rates UMTS PS data rate – 384 kbps DL / 384 kbps UL CS data rate – 64 kbps DL / 64 kbps UL	HSPA: DL 7.2Mbps, UL 5.7Mbps HSDPA Cat.8 / HSUPA Cat.6 data rates UMTS: PS data rate – 384 kbps DL / 384 kbps UL CS data rate – 64 kbps DL / 64 kbps UL	HSPA: DL 7.2Mbps, UL 5.7Mbps HSDPA Cat.8 / HSUPA Cat.6 data rates UMTS: PS data rate – 384 kbps DL / 384 kbps UL CS data rate – 64 kbps DL / 64 kbps UL
	GPRS Multislot Class 12 EGPRS Multislot Class 12	GPRS Multislot Class 12 EGPRS Multislot Class 12	GPRS Multislot Class 12 EGPRS Multislot Class 12

Interfaces and Features

 4G/3G/2G connectivity

 2x RS232/RS485 (configurable)

 4x Digital Outputs

 8x Digital Inputs

 2x CAN


 1x Ethernet


 1x HDMI

 2x USB 2.0

 GPS

 Gyroscope & Accelerometer

 Automotive enclosure

 Automotive connectors

 Status LEDs

 ITxPT compliant

Connectors



Main Connector (automotive): Power, 4x Digital Inputs, 4x Digital Outputs, 1x RS232/485, 2x CAN, Ignition & Bat 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): 4G/3G antenna connector



1x Fakra-D (blue): GPS connector



2x Status LEDs

Processor



ARM Cortex A9 at 1.2GHz:

- 512MB RAM
- 8GB GB eMMC Flash

SOFTWARE FEATURES



DHCP server



Yocto BSP



NAT/IP firewall



Modem control via AT commands



CSD call support (only 3G)

*For information about ITxPT compliant application layer features, please contact our sales team.

ORDERING INFORMATION

MTX-StarRoad II-STD

199810052