MTX-ROUTER-Q

LTE cat.4/4G entry level industrial IoT router

The MTX-Router-Q is an innovative industrial router with Gigabit Ethernet. By providing an easy integration and powerful interfaces, it avoids further hardware components. It can be used in infinite M2M and IoT applications. It has LTE cat.4 connectivity with fallback 3G/2G.

The MTX-Router-Q also includes advanced functionalities such as: DHCP server, NAT, among others. It is powered by internal AC power supply and it has an internal battery for allowing a long term working hours.

MAIN FEATURES

4G 3G/2G	GigaEthernet	AC power supply	LiPo battery	DIN Rail	Webserver	SMS control	Email
4G/3G/2G	GigaEthernet	AC power supply	LiPo battery	DIN rail	Webserver	SMS control	Email

● Hardware features   ● MTX-Titan software features

⚡ Power supply: 85-260VAC/120-360VDC
🌡 Temperature range: -40° to +85°C*
⬒ Dimensions: 40x112x78mm
⚖ Weight: <500gr

CE FC PTCRB AT&T RoHS compliant ✓ ISO 9001

HARDWARE FEATURES

MTX-ROUTER-Q [4-B-N] Cat.4

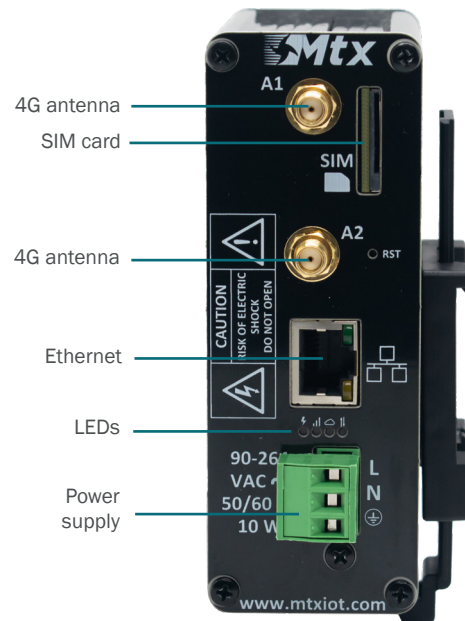|	
	5Band LTE: 700, 800, 900, 1800, 2100 MHz, 2Band GSM 900 & 1800 MHz; UMTS: 900, 2100 MHz
4G	LTE Cat.4 (3GPP Release 9): DL 150Mbps, UL 50Mbps
3G	HSPA Cat.8 (3GPP Release 8): DL 7.2Mbps, UL 5.7Mbps UMTS (3GPP Release 4): PS data rate DL 384 kbps, UL 384 kbps; CS DL 64 kbps, UL 64 kbps
2G	EDGE Class 12 data rates: DL 237 kbps, UL 237 kbps GPRS Class 12 data rates: DL 85.6 kbps, UL 85.6 kbps
SMS	SMS text and PDU mode

Interfaces

4G 3G/2G	4G/3G/2G connectivity
	1x Ethernet 10/100/1000 BaseT
	AC power supplly
	LiPo battery**
	SIM card interface 1.8V/3V
	4x LED status indicators
DIN Rail	DIN rail

Connectors

	2x SMA F: antenna connectors
	RJ45: Ethernet 10/100/1000 BaseT
	Terminal block: power supply
	SIM: SIM card interface 1.8V/3V

4G antenna
SIM card
4G antenna
Ethernet
LEDs
Power supply

A1
SIM
A2
RST
CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN
90-26 VAC 50/60 10 W
L N

www.mtxiot.com

ORDERING INFORMATION

MTX-Router-Q [4-B-N]	**000199810200**

TITAN SOFTWARE FEATURES

Main Features

- Programmable autoreset (schedule, timer...)

- Time synchronization (NTP) with timezones

- Over The Air firmware upgrade

- Full management with AT Command by serial, socket, SMS...

- NAT, firewall, DHCP, etc. and other standard router characteristics

- 4G connectivity supervisor to maintain connection always active

- Clear and understandable application notes with examples

SMS

- Full control by SMS with phone number authorizations

- Alarms (power fault)

*LiPo battery temperature operation limits:
- Charge: 0 to 45ºC
- Discharge: -10 to 60ºC
NTC battery inside regulate charging current according to changing temperature limits.

**Working autonomy of battery depends on three main factors:
- GSM network management policies
- Signal network level and coverage
- Transmission speed and amount of data required to the router
Following values has been determined under average conditions for signal level and GSM network policies, with a avererage speed of DL: 50Mbps/UL: 25Mbps.
Up to 4 hours normal operation transmitting and receiving data, and another additional 24 hours just ready for transmission/reception.