

#WeAreConnectivity

SMART SOLUTIONS FOR A CHANGING WORLD

MTX-StarEnergy-F

Industrial IoT modem with LTE/4G and RJ45 for electric metering

MTX-StarEnergy-Fis an industrial modem made for electric meter boxes remote reading. It has a 32-bit ARM Cortex processor for hardware control, and a wireless communications module with 4G (LTE Cat. 1) connectivity for IoT solutions, with 3G/2G fallback.

This modem is connected to the meter box using one RS232 and one RS485 interface, available through two RJ45 and one RJ12 connector, depending on the model of the meter box to be connected. The modem also has an external SMA connector for the antenna, and access to the standard SIM card without opening the device.

The MTX-StarEnergy-F has a battery that absorbs possible current peaks due to data transmission.



MAIN FEATURES



4G connectivity



RS232 RS485



Lithium battery



DIN rail



Legacy communications



AT commands



Firmware update



lava



MTX-Tunnel



Cervello



 ∏ Temperature range: -30° to +70°C □ Dimensions: 160x100x40mm

Weight: 300gr















HARDWARE FEATURES

MTX-STARENERGY-F 4G Cat.1

LTE 5 Bands (700, 800, 900, 1800, 2100MHz), GSM/GPRS/EDGE: 2 Bands (900, 1800MHz)

4G LTE Cat.1: DL 10.2Mbps, UL 5.2Mbps

HSPA: DL 7.2Mbps, UL 5.7Mbps
UMTS PS: DL 384Mbps, UL 384 Mbps, CS: DL 64Mbps, UL 64Mbps

EDGE Class 12 data rates, DL: max. 237 kbps, UL: max. 237 kbps GPRS Class 12 data rates, DL: max. 85.6 kbps, UL: max. 85.6 kbps

(CSD) CSD data transmission up to 9.6 kbps, V.110, non-transparent

SMS: text and PDU mode support, point-to-point MO and MT, cell broadcast

Interfaces

SMS

4G/3G/2G connectivity

1x RS232

1x RS485

SIM card interface 1.8V/3V

Lithium battery

4x operating status LEDs: power, coverage, connectivity, error

() IP54

DIN rail & wall mounting

Connectors

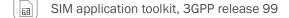
1x SMA F antenna conector: 4G/3G/2G

2x RJ45, 1x RJ12: RS232, RS485

1x SIM

1x eSIM

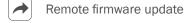
SOFTWARE FEATURES



Control and TCP/IP stacks access via AT commands

Internet services: TCP, UDP, HTTP, FTP, SMTP, POP3





Compatible with supported controllers