

Item no.: FMC225

## FMC225 - Waterproof LTE Cat. 1 Terminal with RS485/RS232 Interfaces and Backup Battery

from **79,79 EUR**

Item no.: FMC225  
shipping weight: 0.20 kg  
Manufacturer: Teltonika



### Product Description

FMC225 - Waterproof LTE Cat. 1 Terminal with RS485/RS232 Interfaces and Backup Battery

FMC225 is water and dust resistant real-time tracking terminal with GNSS and LTE/GSM connectivity and backup battery. FMC225 features RS485/RS232 data interfaces, which gives the ability to connect various third-party external devices. It is perfectly suitable for applications where location acquirement of remote objects is needed: fleet management, car rental companies, taxi companies, public transport, logistics companies, personal cars and so on. Because of the IP67 casing, the device is totally protected from dust and remains safe during short periods of immersion in water up to 1 m depth. As a result, FMC225 can be used in agriculture, construction and mining or any other fleet where harsh tracking conditions exists.

Module

- Name: FMC225-MBIB0: MeiG SLM320-E with Teltonika TM2500 (in development); FMC225-MCIB0: MeiG SLM320-LA with Teltonika TM2500 (in development)
- Technology: LTE (Cat. 1)/2G (GSM/GPRS)/GNSS/Bluetooth

GNSS

- GNSS: GPS, GLONASS, GALILEO, BEIDOU, QZSS, AGPS
- Receiver: Tracking: 33
- Tracking sensitivity: -165 dBm
- Position accuracy: < 2.5 CEP
- Velocity accuracy: < 0.1 m/s (within +/- 15% error)
- Hot start: < 1 s
- Warm start: < 25 s
- Cold start: < 35 s

Cellular

- Technology: LTE Cat. 1, GSM
- 2G bands: FMC225-MBIB0: GSM: B2/B3/B5/B8; FMC225-MCIB0: GSM: B2/B3/B5/B8
- 4G bands: FMC225-MBIB0: LTE FDD: B1/B3/B7/B8/B20/B28 LTE-TDD: B38/B40/B41; FMC225-MCIB0: LTE FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28 LTE-TDD: B40
- Data transfer: LTE: LTE FDD: Max. 10 Mbps (DL)/max. 5 Mbps (UL); LTE TDD: Max. 8 Mbps (DL)/max. 2 Mbps (UL); GSM: GPRS: Max. 85.6 Kbps (DL)/max. 85.6 Kbps (UL)
- 3 A, 125 V: Class 4 for GSM850/900: 23 ± 2 dBm; Class 1 for GSM1800/1900: 20 ± 2 dBm; Class 3 for LTE-TDD: 23 ± 2.7 dBm; Class 3 for LTE-FDD: 23 ± 2.7 dBm
- Data support: SMS (text/data)

Power

- Input voltage range: 10 - 30 V DC with overvoltage protection
- Internal back-up battery: 170 mAh Li-Ion battery 3.7 V (0.63 Wh)
- Power consumption: At 12 V < 4 mA (Ultra Deep Sleep); At 12 V < 6 mA (Deep Sleep); At 12 V < 12 mA (Online Deep Sleep); At 12 V < 19 mA (GPS Sleep); At 12 V < 36 mA (nominal with no load); At 12 V < 2 A max. (with full load/peak)

Bluetooth

- Specification: 4.0 + LE
- Supported peripherals: Temperature and humidity sensor, OBDII dongle, Inateck barcode scanner, universal BLE sensors support

#### Physical Specification

- Dimensions: 70,5 x 67,0 x 25,6 mm (L x W x H); 85,0 x 67,0 x 25,6 mm (L x W x H, length with connector socket)

#### Operating Environment

- Operating temperature (without battery): -20°C to +85°C
- Storage temperature (without battery): -20°C to +85°C
- Operating temperature (with battery): -20°C to +40°C
- Storage temperature (with battery): -20°C to +45°C
- Operating humidity: 5% to 95% non-condensing
- Ingress protection rating: IP67
- Battery charge temperature: 0°C to +45°C
- Battery discharge temperature: -20°C to +60°C
- Battery storage temperature: -20°C to +45°C for 1 month; -20°C to +35°C for 6 months

#### Interface

- Digital inputs: 2
- Digital outputs: 1
- Analog inputs: 1
- CAN adapter inputs: 1
- 1-wire: 1
- RS232: 1
- RS485: 1
- GNSS antenna: Internal high gain
- GSM antenna: Internal high gain
- USB: 2.0 Micro-USB
- LED indication: 2x status LED lights
- SIM: 2x SIM cards (dual-SIM)
- Memory: 128 MB internal Flash memory

#### Certification & Approvals\*

- Regulatory: CE-RED, E-mark, RCM, Anatel, Reach, RoHS, TRA, CITC

\* in progress

## Specifications

**Scan this QR code to  
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All details, up-to-date  
prices and availability

