

Item no.: FMM125

## FMM1257VXW01 - Advanced Cat. M1/GSM/GNSS/BLE terminal with internal antennas

from **64,51 EUR**

Item no.: FMM125  
shipping weight: 0.10 kg  
Manufacturer: Teltonika



### Product Description

FMM125 - Advanced CAT M1/GSM/GNSS/BLE terminal with internal antennas

FMM125 is a small professional real-time tracking terminal with GNSS and LTE CAT-M1/NB-IoT/GSM connectivity as well as a backup battery. The device is equipped with GNSS/Bluetooth and LTE CAT-M1/NB-IoT modules with fallback to the 2G network and internal GNSS, 3G antennas. FMM125 features an RS485/RS232 data interface, which makes it possible to connect various external third-party 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.

Module

- Name: Quectel BG96, Teltonika TM2500
- Technology: LTE Cat. M1/NB-IoT/GSM/GPRS/GNSS/Bluetooth

GNSS

- GNSS: GPS, GLONASS, GALILEO, BEIDOU, QZSS, AGPS
- Receiver: Tracking: 33
- Tracking sensitivity: -165 dBm
- Accuracy: <2.5 m CEP
- Hot start: <1 s
- Warm start: <25 s
- Cold start: <35 s

Cellular

- Technology: LTE Cat. M1/NB-IoT/GSM
- 2G bands: B2/B3/B5/B8
- 4G bands: LTE FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B28; LTE TDD: B39 (for Cat. M1 only)
- Data transfer: LTE: Max. 375 Kbps (DL)/max. 375 Kbps (UL); GPRS: Max. 85.6 Kbps (DL)/max. 85.6 Kbps (UL)
- Data support: SMS (text/data)

Power

- Input voltage range: 10 - 30 V DC with overvoltage protection
- Back-up battery: 170 mAh Li-Ion battery 3.7 V (0.63 Wh)

Bluetooth

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

Interface

- Digital inputs: 2
- Digital outputs: 1
- Analog inputs: 1
- 1-wire: 1
- RS232: 1
- RS485: 1
- GNSS antenna: Internal high gain
- Cellular antenna: Internal high gain
- USB: 2.0 Micro-USB
- LED indication: 2 status LED lights
- SIM: 2x SIM card (Dual-SIM)
- Memory: 128 MB internal flash memory

#### Physical Specification

- Dimensions: 65 x 56.6 x 20.6 mm (L x W x H)
- Weight: 55 g

#### Operating Environment

- Operating temperature (without battery): -40°C to +85°C
- Storage temperature (without battery): -40°C to +85°C
- Operating humidity: 5% to 95% non-condensing
- Ingress protection rating: IP41
- 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

#### Features

- Sensors: Accelerometer
- Scenarios: Green driving, over speeding detection, GNSS fuel counter, DOUT control via call, excessive idling detection, immobilizer, iButton read notification, unplug detection, towing detection, crash detection, auto geofence, manual geofence, trip
- Sleep modes: GPS sleep, online deep sleep, deep sleep, ultra deep sleep
- Configuration and firmware update: FOTA Web, FOTA, Teltonika Configurator (USB, Bluetooth), FMBT mobile application (configuration)
- SMS: Configuration, events, DOUT control, debug
- GPRS commands: Configuration, DOUT control, debug
- Time synchronization: GNSS, NITZ, NTP
- Fuel monitoring: LLS (analog), digital LLS (RS232, RS485), LV-CAN200, ALL-CAN300, CAN-CONTROL, OBDII dongle
- Ignition detection: Digital input 1, accelerometer, external power voltage, engine RPM (CAN adapters, OBDII dongle)
- RS232 modes: Log mode, NMEA, LLS, LCD, RFID HID/MF7, Garmin FMI, TCP ASCII/Binary
- RS485 modes: Log mode, NMEA, LLS, TCP ASCII/Binary

#### Specifications

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prices and availability

