Item no.: FMM003

FMM003 - Plug and Play Tracker, LTE Cat. M1

from **81,58 EUR**

Item no.: FMM003
shipping weight: 0.20 kg
Manufacturer: Teltonika

📄 Product Description

FMM003 - Plug and Play Tracker, LTE Cat. M1

FMM003 is an advanced plug and play LTE Cat. M1 device dedicated for next generation OBD applications. The main feature of FMM003 is its possibility to read OEM parameters (PIDs) via OBD port. With this device, you will be able to read Real Odometer and Real Fuel Level data. What's more, the device comes with the supported vehicles and data list, so no need to guess anymore – now you know what data you can read from a specific vehicle. It is a perfect tracker for a wide range of use cases – including fleet management of light commercial vehicles, driver log-book, insurance telematics (UBI), car rental & leasing and more.

Module

- Name: Quectel BG95-M3, Teltonika TM2500
- Technology: LTE Cat. M1/Cat. NB1/EGPRS/GNSS/Bluetooth

GNSS

- GNSS: GPS, GLONASS, GALILEO, BEIDOU, QZSS, AGPS
- Receiver: 33 channels
- Tracking sensitivity: -165 dBM
- Accuracy: < 2.5m 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. M1/Cat. NB1/EGPRS
- 2G bands: BG95: B2/B3/B5/B8
- 4G bands: BG95: LTE-FDD (Cat. M1): B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85; LTE-FDD (Cat. NB2): B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85
- Data transfer: BG95: LTE: Max. 588 Kbps (DL)/max. 1119 Kbps (UL); GPRS: Max. 107 Kbps (DL)/max. 85.6 Kbps (UL)
- Transmit power: 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

- Supply 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, Inateck barcode scanner, universal BLE sensors support

Physical Specification

- Dimensions: 67,2 x 49,6 x 25 mm (L x W x H)
- Weight: 63 g

OBD Interface

- Data: K-Line, CAN bus data
- Data reading: Up to 32 vehicle onboard parameters, supported OBD protocols: SAE J1850 PWM (41.6 kbaud); SAE J1850 VPW (10.4 kbaud); ISO 9141-2 (5 baud init, 10.4 kbaud); ISO 14230-4 KWP (5 baud init, 10.4 kbaud); ISO 14230-4 KWP (fast init, 10.4 kbaud); ISO 15765-4 CAN (11 bit ID, 250 kbaud); ISO 15765-4 CAN (11 bit ID, 500 kbaud); ISO 15765-4 CAN (29 bit ID, 250 kbaud); ISO 15765-4 CAN (29 bit ID, 500 kbaud)

Interface

- Connection: OBDII socket
- GNSS antenna: Internal high gain
- Cellular antenna: Internal high gain
- USB: 2.0 Micro-USB
- LED indication: 2x status LED lights
- SIM: Micro-SIM
- Memory: 128 MB internal Flash memory

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, Excessive idling detection, 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, debug
- GPRS commands: Configuration, debug
- Time synchronization: GPS, NITZ, NTP
- Fuel monitoring: OBD II
- Ignition detection: Accelerometer, external power voltage, engine RPM

Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability