Item no.: FMM920

FMM92034CO01 - Small and smart GPS tracker with 4G Cat. M1 connectivity

from **50,35 EUR**

Item no.: FMM920
shipping weight: 0.10 kg
Manufacturer: Teltonika

📄 Product Description

FMM920 - Small and smart GPS tracker with 4G Cat. M1 connectivity

Teltonika FMM920 is a small and smart tracker with Bluetooth connectivity, internal high gain GNSS and GSM antennas and an integrated backup battery. The 4G Cat. M1 technology offers much higher bandwidth, lower latency and improved spectrum efficiency.

The model is compact, reliable, accurate and enduring. All the interfaces it has are more than enough for basic tracking. Digital Input can be used for ignition, door or alarm button status monitoring, while vehicle remote immobilizing may be achieved by using the Digital Output of the device. At the same time, Analog Input extends device usage scenarios with temperature, humidity, liquid level monitoring and many more.

All of that brings unquestionable value to numerous market segments and societies, countries' budgets and the global economy overall. It can be perfectly adapted to any fleet, to any transportation. The far-reaching experience of the FMM920 predecessor shows that it is a perfect choice for basic track & trace and fleet management.

Module

- Name: Quectel BG95-M3 with Teltonika TM2500
- Technology: LTE Cat. M1/NB-IoT/GSM/GPRS/GNSS/Bluetooth

GNSS

- GNSS: GPS, GLONASS, GALILEO, BEIDOU, QZSS, AGPS
- Receiver: 33 channel
- Tracking sensitivity: -165 dBM
- Accuracy: < 3 m
- Hot start: < 1 s
- Warm start: < 25 s
- Cold start: < 35 s

Cellular

- Technology: LTE Cat. M1/NB-IoT/GSM
- 2G bands: BG95-M3: B2/B3/B5/B8
- 4G bands: Cat. M1: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85; Cat NB2: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85
- Data transfer: BG95-M3: LTE: Max. 588 Kbps (DL)/max. 1119 Kbps (UL); GPRS: Max. 107 Kbps (DL)/max. 85.6K bps (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

Power

- Input voltage range: 10 - 30 V DC with overvoltage protection
- Back-up battery: 170 mAh Li-Ion battery (0.63 Wh)
- Power consumption: At 12V < 2 mA (Ultra Deep Sleep); At 12V < 3 mA (Deep Sleep); At 12V < 8 mA (Online Sleep); At 12V < 12 mA (GNSS Sleep); At 12V < 28 mA (Nominal)

Bluetooth

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

Physical specification

- Dimensions: 79 x 43 x 12 mm (L x W x H)
- Weight: 54 g

Interface

- Digital Inputs: 1
- Digital Outputs: 1
- Analog Inputs: 1
- GNSS antenna: Internal high gain
- Cellular antenna: Internal high gain
- USB: 2.0 Micro-USB
- LED indication: 2 status LED lights
- SIM: Micro-SIM
- Memory: 128 MB internal Flash memory

Operating environment

- Operating temperature (with battery): -20°C to +40°C
- 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: IP54
- Battery charge temperature: 0°C to +45°C
- Battery discharge temperature: -20°C to +60°C
- Battery storage temperature: -20°C to +35°C for 1 month; -20°C to +30°C for 6 months

Features

- Sensors: Accelerometer
- Scenarios: Green driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, DOUT Control Via Call, 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, DOUT control, Debug
- GPRS commands: Configuration, DOUT control, Debug
- Time Synchronization: GPS, NITZ, NTP
- Fuel monitoring: LLS (Analog), OBDII dongle
- Ignition detection: Digital Input 1, Accelerometer, External Power Voltage, Engine RPM (OBDII dongle)

Certification & Approvals (in progress)

- Regulatory: CE/RED, E-Mark, PTCRB, FCC, RCM, RoHS, MTBF, REACH

🗎 Specifications

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