

Item no.: FMC920

## FMC920LOCO01 - Small and smart GPS tracker with 4G Cat. 1 connectivity

from **52,83 EUR**

Item no.: FMC920  
shipping weight: 0.10 kg  
Manufacturer: Teltonika



### Product Description

#### FMC920 - Small and smart GPS tracker with 4G Cat. 1 connectivity

Teltonika FMC920 is a small and smart tracker with Bluetooth connectivity, internal high gain GNSS and GSM antennas and an integrated backup battery. The 4G Cat. 1 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 and any transportation. The far-reaching experience of the FMC920 predecessor shows that it is a perfect choice for basic track & trace and fleet management.

#### Module

- Name: Quectel EG915U-EU with Teltonika TM2500
- Technology: LTE Cat. 1/GSM/GPRS/GNSS/Bluetooth

#### GNSS

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

#### Cellular

- Technology: LTE Cat 1, GSM
- 2G bands: GSM: B2/B3/B5/B8
- 4G bands LTE FDD: B1/B3/B5/B7/B8/B20/B28
- Data transfer LTE: LTE FDD: Max. 10 Mbps (DL)/max. 5 Mbps (UL); GSM: 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 (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: 2x 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, 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, EAC, Anatel, PTCRB, CITC, RCM, RoHS, MTBF, REACH

## Specifications

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