

Item no.: FMB230

FMB230 - Waterproof GPRS/GNSS Tracker with Flexible Inputs Configuration

from **51,35 EUR**

shipping weight: 0.20 kg
Manufacturer: Teltonika



Product Description

FMB230 - Waterproof GPRS/GNSS Tracker with Flexible Inputs Configuration

FMB230 is water and dust resistant tracker with internal GNSS, GSM antennas, configurable digital, analogue inputs and digital outputs, negative input, impulse inputs, Bluetooth connectivity and backup battery. FMB230 is developed on the existing Teltonika platform, therefore it keeps all of the functionalities from FMB130 with an additional IP67 resistance to dust and water. It can be mounted inside and outside of a vehicle without worries that a high pressured water, mud or dusty environment will impact its operation or performance quality. This is particularly relevant for the industries where harsh conditions exist, such as agriculture, construction and mining, and more. Module

- Name: Teltonika TM2500
 Technology: 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

- Hot start: < 1 s
- Warm start: < 25 s
 Cold start: < 35 s

Cellular

- Technology: GSM
 2G bands: Quad-band 850/900/1800/1900 MHz
 Data transfer: GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B
- Data support: SMS (text/data)

Power

- Input voltage range: 10 30 V DC with overvoltage protection
 Internal back-up battery: 170 mAh Li-lon battery 3.7 V (0.63 Wh)
 Internal fuse: 3 A, 125 V
- Power consumption: At 12 V < 2.5 mA (Ultra Deep Sleep); At 12 V < 5 mA (Deep Sleep); At 12 V < 5.5 mA (Online Deep Sleep); At 12 V < 18.5 mA (GPS Sleep); At 12 V < 34 mA (nominal with no load)

Bluetooth

- 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

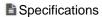
- Operating temperature (without battery): -40°C to +85°C
 Storage temperature (without battery): -40°C to +85°C
 Operating temperature (with battery): -20°C to +40°C
 Storage temperature (with battery): -20°C to +45°C
 Operating humidity: 5% to 95% non-condensing
 Ingress protection rating: IP67
 Battery 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: 3
 Negative inputs: 1 (digital input 2)
 Impulse Inputs: 2 (digital input 1, digital input 2)
 Digital outputs: 3
 Analog inputs: 2
 CAN adapter inputs: 1
 1-wire: 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 + eSIM
 Memory: 128 MB internal Flash memory

Certification & Approvals*

- Regulatory: CE-RED, E-mark, Reach, RoHS
- * in progress



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