Item no.: FMM130

FMM130 - Advanced CAT M1/GSM/GNSS/BLE terminal

from **63,61 EUR**

Item no.: FMM130
shipping weight: 0.20 kg
Manufacturer: Teltonika

📄 Product Description

FMM130 - Advanced CAT M1/GSM/GNSS/BLE terminal

FMM130 is a small and professional real-time tracking terminal with GNSS and LTE CAT-M1/NB-IoT/GSM connectivity and backup battery. The device is equipped with GNSS/Bluetooth and LTE CAT-M1/NB-IoT modules with fallback to 2G network, internal GNSS and LTE antennas, configurable digital and analogue inputs and digital outputs, negative input, impulse inputs. 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.Additional Options: SIM Card and CarControl Tariffs

VARIA offers you the possibility to purchase an all-in-one solution for your fleet management together with the tracker. The VARIA GPS CarControl tariffs are the ideal solution when it comes to locating mobile objects.

In addition to a route archive with driving and standing times, the Compact tariff also offers you detailed evaluations of operating times, geo-zones with automatic alarms, anti-theft protection and many other features that will help you to make your fleet management easier and more efficient.

In addition to the functions of the Compact tariff, the Perfect tariff also offers an electronic logbook, which is forgery-proof and guaranteed to meet all the requirements of the tax office.

If you choose one of these options, the VARIA technical team will install a 2G prepaid SIM card with 400 MB data volume in the tracker you purchased and carry out the initial setup of the VARIA GPS CarControl all-in-one solution for you. When you receive the tracker, it will be ready to use.

The VARIA GPS CarControl tariffs are valid for one year. If you would like to continue using the service after one year, you can conveniently extend the tariff with us for another year.

Of course, you also have the option of using a different fleet management solution of your choice. In this case, you can select only the required IoT prepaid SIM card for the tracker.

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: < 3 m
- 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)

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 LTE CAT M1 high gain
- USB: 2.0 Micro-USB
- LED indication: 2 status LED lights
- SIM: Micro-SIM + eSIM
- 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, jamming 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), LV-CAN200, ALL-CAN300, CAN-CONTROL, ODBII dongle
- Ignition detection: Digital input 1, accelerometer, external power voltage, engine RPM (CAN adapters, OBDII dongle)

🗎 Specifications

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