Item no.: FMC125

FMC125 - LTE terminal with GNSS and LTE/3G/GSM connectivity

70,⁴⁴ EUR

Item no.: FMC125
shipping weight: 0.10 kg
Manufacturer: Teltonika

📄 Product Description

FMC125 - LTE terminal with GNSS and LTE/3G/GSM connectivity

FMC125 is a small ADVANCED series device with 4G (LTE Cat 1) network coverage including 3G (UMTS), 2G (GSM) fallback compatibility. The device is equipped with GNSS/Bluetooth and LTE modules, internal GNSS and LTE antennas.

FMC125 is developed on the existing Teltonika FMB platform, therefore it keeps all of the functionalities of FMB125 and builds on top of them with its industry-leading connectivity coverage.

The device is designed for communication with various third party RS232 or RS485 devices, like digital fuel sensors (LLS), Garmin navigation devices, RFID readers and much more. It is also excellent for refrigerated transport, because it has an extended input/output set and 1-wire interface for temperature monitoring.

The Dual-SIM feature provides a backup communication channel where the coverage of a singular operator is not sufficient. The Dual-SIM feature will also let you significantly reduce roaming costs.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 EC21-AU, Quectel EC21-EC, Teltonika TM2500
- Technology: LTE (Cat. 1)/3G (UMTS/HSPA)/2G (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 1, UMTS
- 2G bands: EC21-AU: GSM: B2/B3/B5/B8; EC21-EC: GSM: B3/B8
- 3G bands: EC21-AU: WCDMA: B1/B2/B5/B8; EC21-EC: WCDMA: B1/B8
- 4G bands: EC21-AU: LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28; LTE TDD: B40, EC21-EC: LTE FDD: B1/B3/B7/B8/B20/B28A
- Data transfer: LTE: LTE FDD: Max. 10 Mbps (DL)/max. 5 Mbps (UL); LTE TDD: Max. 8.96 Mbps (DL)/max. 3.1 Mbps (UL) // UMTS: WCDMA: Max. 384 Kbps (DL)/max. 384 Kbps (UL); GSM: GPRS: Max. 107 Kbps (DL)/max. 85.6 Kbps (UL)
- Data support: SMS (text/data)

Power

- Input voltage range: 10 - 30 V DC with overvoltage protection
- Internal back-up battery: 170 mAh Li-Ion, 3.7 V battery (0.63 Wh)

Bluetooth

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

Physical Specifcation

- 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

Interface

- Digital inputs: 1
- Digital outputs: 1
- Analog inputs: 1
- CAN adapter inputs: 1
- 1-Wire: 1
- RS232: 1
- RS485: 1
- GNSS antenna: Internal high-gain
- Cellular antenna: Internal high-gain
- USB: 2.0 Micro-USB
- LED indication: status LED lights
- SIM: 2x SIM card (Dual-SIM)
- Memory: 128 MB internal flash memory

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), digital LLS (RS232, RS485), LV-CAN200, ALL-CAN300, CAN-CONTROL, ODBII dongle
- Ignition detection: Digital input 1, accelerometer, external power voltage, engine RPM (CAN adapters, OBDII dongle)
- RS232 modes: Log mode, NMEA, LLS, LCD, RFID HID/MF7, Garmin FMI, TCP ASCII/Binary
- RS485 modes: Log mode, NMEA, LLS, TCP ASCII/Binary

📑 Specifications

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