



FMC800

Plug & Play tracker with 4G LTE Cat 1 connectivity



FUTURE-PROOF NETWORK SUPPORT

Reliable 4G LTE Cat 1 network coverage with fallback to 2G – guaranteed future-proof network support for your fleet

EFFORTLESS PLUG & PLAY INSTALLATION

Simply plug the device in OBD-II port and start tracking

ACCURATE AND DETAILED CRASH TRACE DATA

Crash detection functionality based on 3-axis built-in accelerometer with fully configurable parameters through our software to ensure accurate crash trace data

EXTENDED PRODUCT USAGE SCENARIOS

Bluetooth® LE-based wireless connection of external devices, including Low Energy beacons and sensors, to monitor temperature, humidity, magnet detection, and movement



Light vehicles



Driver log-book



Insurance telematics (UBI)



Courier delivery service



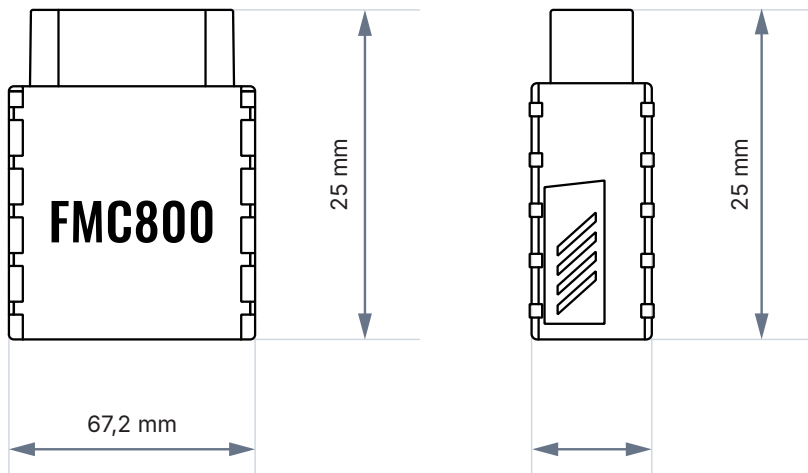
Rental and leasing

FmX8 series devices are EASY to use and FAST to install. The number "8" brings everything together in one place and stands out with its simplicity of basic tracking.

Teltonika FMC800 tracker is a small OBDII Plug and Play device with 4G LTE Cat 1 and BLUETOOTH® connectivity. An extremely fast and easy installation allows connecting device in a few seconds! No tools or engineers are required for installation.

Thanks to that, FMC800 tracker perfectly suits for light vehicle tracking in applications like courier delivery service, car rental & leasing, insurance telematics and other industries, where simple integration is a must. It is a perfect solution for real time monitoring, specially for beginners and those, who are looking for new opportunities to expand their businesses.

FMC800 device has a built-in accelerometer, which provides accurate crash trace data. This tracker also supports various BLUETOOTH® Low Energy sensors, beacons, firmware and configuration update via BLUETOOTH®. All of that increase the number of possible use scenarios in any market. It is quick to install, easy to use and ready to start tracking in minutes!



Module

| | |
|------------|---|
| Name | FMC800-QJIB0: Quectel EG915U-EU with Teltonika TM2500 |
| Technology | LTE CAT 1/GSM/GPRS/GNSS/BLUETOOTH® LE |

GNSS

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|----------------------|---|
| GNSS | GPS, GLONASS, GALILEO, BEIDOU, QZSS, AGPS |
| Receiver | 33 channel |
| Tracking sensitivity | -165 dBm |
| Position Accuracy | < 2.5 CEP |
| Velocity Accuracy | < 0.1 m/s |
| Hot start | < 1 s |
| Warm start | < 25 s |
| Cold start | < 35 s |

Cellular

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|---------------|--|
| 2G bands | FMC800-QJIB0: GSM: B2/B3/B5/B8 |
| 4G bands | FMC800-QJIB0: LTE FDD: B1/B3/B7/B8/B20/B28 |
| Data transfer | LTE: LTE FDD: Max 10Mbps (DL)/Max 5Mbps (UL) GSM: GPRS: Max 85.6Kbps (DL)/Max 85.6Kbps (UL) |
| Data support | SMS (TEXT, PDU), Network protocols (TCP, UDP, TLS, MQTT) |

Power

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|--------------------------|--|
| Input voltage range | 10 - 30 V DC with overvoltage protection |
| Internal Back-up battery | 170 mAh Li-Ion battery 3.7 V (0.63 Wh) |
| Internal fuse | 3 A, 125 V |

BLUETOOTH® technology

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|-----------------------|---|
| Specification | 4.0 + LE |
| Supported peripherals | Temperature and Humidity sensor, Inateck Barcode Scanner, Universal Bluetooth® LE sensors support |

Physical specification

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|------------|---------------------------------|
| Dimensions | 67,2 × 49,6 × 25 mm (L x W x H) |
| Weight | 63 g |

Operating environment

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|---|---|
| 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

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|----------------|-----------------------------|
| Connection | OBDII socket |
| GNSS antenna | Internal High Gain |
| GSM antenna | Internal High Gain |
| USB | 2.0 Micro-USB |
| LED indication | 2 status LED lights |
| SIM | Micro-SIM |
| Memory | 128MB internal flash memory |

Features

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|-----------------------------------|---|
| Sensors | Accelerometer |
| Scenarios | Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, 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® wireless technology), FMBT mobile application (Configuration) |
| SMS | Configuration, Events, Debug |
| GPRS commands | Configuration, Debug |
| Time Synchronization | GNSS, NITZ, NTP |
| Ignition detection | Accelerometer, External Power Voltage |

Certification & Approvals*

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| Regulatory | FMC800-QJIB0: CE RED, E-Mark, RCM |
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* in progress