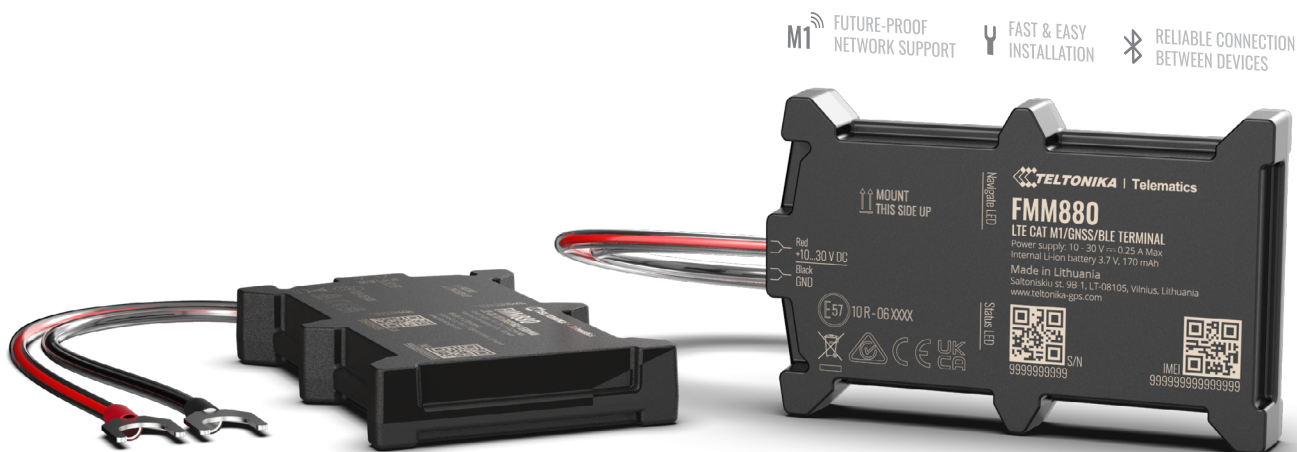


FMM880

EASY INSTALLATION WATERPROOF TRACKER
WITH 4G LTE CAT M1 CONNECTIVITY



IMPROVED GNSS

Standalone L1 and L5 dual-band GNSS receiver ensures better track quality

CLAMP CONNECTORS

Allows installing tracker in a few minutes

BLUETOOTH 4.0

Bluetooth for external devices and Low Energy sensors

CRASH DETECTION

Crash detection functionality working according accelerometer data



LIGHT VEHICLES



INSURANCE TELEMATICS



COURIER DELIVERY SERVICES



RENTAL AND LEASING



MOTORBIKES

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 FMC880 tracker is waterproof device with 4G LTE Cat 1 and Bluetooth connectivity. An extremely fast and easy installation allows connecting device in a few minutes! No specific knowledge or engineers are required for installation. This vehicle GPS trackers has a higher IP65 rating and a slim design which is essential for under-bonnet installation.

Thanks to that, FMC880 tracker perfectly suits for light vehicle tracking in applications like courier delivery service, car rental & leasing, insurance telematics and many 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.

FMC880 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!



Product

Model name FMM880-Q3AB0

Module

Name Quectel BG95-M3 with AG3335

Technology LTE CAT M1/GSM/GPRS/GNSS/BLUETOOTH

GNSS*

GNSS L1: GPS, GLONASS, GALILEO, BEIDOU, SBAS*, QZSS*
L5: GPS, GALILEO, BEIDOU

Receive type L1: 75 channel
L5: 60 channel

Tracking sensitivity -165 dBm

Position Accuracy < 1.8 m CEP

Velocity Accuracy < 0.1 m/s (within +/- 15% error)

Hot start < 1 s

Warm start < 24 s

Cold start < 35 s

* Optional modes available with custom firmware applications, for more information contact your sales manager.

Cellular

2G bands GSM: B2/B3/B5/B8

4G bands LTE FDD (CAT M1): B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85
LTE-TDD (CAT NB2): B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85

Data transfer LTE FDD (CAT M1): Max. 588 Kbps (DL) / Max. 1119 Kbps (UL)
LTE TDD (CAT NB2): Max. 127 Kbps (DL) / Max. 158.5 Kbps (UL)
GSM (GPRS): Max. 107 Kbps (DL) / Max. 85.6 Kbps (UL)

Transmit power Class 4 for GSM850/900: 33±2dBm
Class 1 for GSM1800/1900: 30±2dBm
Class 3 for LTE-TDD: 20±2dBm
Class 3 for LTE-FDD: 20±2dBm
Bluetooth: 4.57±2dBm
Bluetooth LE: -4.83±2dBm

Data support SMS (TEXT, PDU), Network protocols (TCP, UDP, TLS, EGTS, MQTT)

Power

Input voltage range 10 - 30 V DC with overvoltage protection

Internal Back-up battery 170 mAh Li-Ion battery 3.7 V

Internal fuse 3 A, 125 V

Bluetooth

Specification	4.0 + LE
Supported peripherals	Temperature and Humidity sensor, OBDII dongle, Inateck Barcode Scanner, Universal BLE sensors support

Physical specification

Dimensions	92.5 x 57.6 x 14 mm (L x W x H)
Weight	63 g

Operating environment

Operating temperature (without battery)	-40 °C to +85°C
Storage temperature (without battery)	-40 °C to +85 °C
Operating temperature (with battery)	0 °C to +40 °C
Storage temperature (with battery)	-20 °C to +45 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP65
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

Connection	U-Type cable
GNSS antenna	Internal High Gain
Cellular antenna	Internal High Gain
USB	2.0 USB Micro B
LED indication	2 status LED lights
SIM	Micro-SIM
Memory	128MB internal flash memory

Features

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, Teltonika Configurator (USB, Bluetooth)
SMS	Configuration, Events, Debug
GPRS commands	Configuration, Debug
Time Synchronization	GNSS, NITZ, NTP
Ignition detection	Accelerometer, External Power Voltage

Certification & Approvals*

Regulatory	CE/RED, E-Mark, RCM, REACH, RoHS
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* in progress