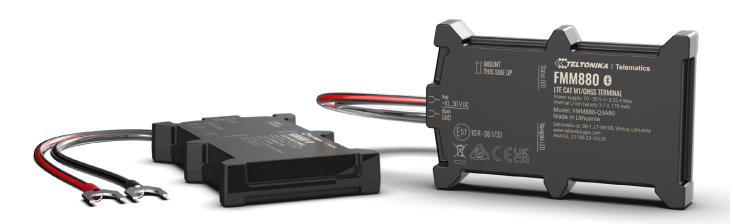


FMM880

Easy installation water-resistant 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

CRASH DETECTION

Crash detection functionality working according accelerometer data

EXTERNAL ACCESSORIES SUPPORT

Bluetooth® LE-based wireless connection of external devices



Light vehicles



Insurance telematics



Courier delivery services



Rental and leasing



Motorbikes

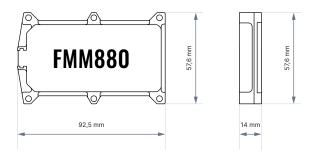
Teltonika FMM880 tracker is a water-resistant device with 4G LTE Cat M1 and BLUETOOTH® connectivity. An extremely fast and easy installation allows connecting device in a few minutes! No specific knowledge or engineers are required for installation.

This vehicle GPS trackers has a Standalone L1 and L5 dual-band GNSS receiver, it sees a lot more satellites which ensures better track quality.

Equipped with IP65 rating and a slim design which is essential for under-bonnet installation. Thanks to that, FMM880 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, especially for beginners and those, who are looking for new opportunities to expand their businesses.

FMM880 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!





P	ro	d	uc	t

Model name FMM880-Q3AB0

Module

Name	Quectel BG95-M3 with AG3335	
Technology	LTE CAT M1/GSM/GPRS/GNSS/BLUETOOTH® LE	

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	<1s	
Warm start	< 25 s	
Cold start	< 35 s	

Cellular

- Container		
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, MQTT)	

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



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® technology	
Specification	4.0 + LE
Supported peripherals	Temperature and Humidity sensor, OBDII dongle, Inateck Barcode Scanner, Universal Bluetooth® LE sensors support
Physical specification	
Dimensions	92.5 × 57.6 × 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® wireless technology)
SMS	Configuration, Events, Debug
GPRS commands	Configuration, Debug
Time Synchronization	GNSS, NITZ, NTP
Ignition detection	Accelerometer, External Power Voltage, Engine RPM (OBDII dongle)
Certification & Approvals	
Regulatory	Anatel, CE/RED, UKCA, E-Mark, RCM, REACH, RoHS, Declaration of IMEI assignment