FMB910

SMART TRACKER WITH INTERNAL BACKUP BATTERY

Teltonika FMB910 is a reliable track & trace tracker for motorbikes, light and heavy vehicles in applications like delivery transport, rental cars, recovery of stolen cars, public safety services, and much more. Tracker is equipped with internal High Gain GNSS and GSM antennas and integrated backup battery.

Input/output extend device usage scenarios:

- Digital input can be used for ignition, door or alarm button status monitoring,
- Analog input allows to monitor external devices/sensors, including fuel sensors,
- Digital output enables vehicle remote immobilizing.

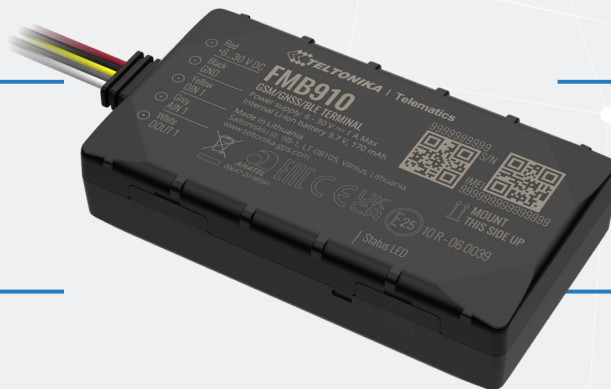FMB910 is EASY tracker with simplified management to fulfill the demands of track&trace.

IP54

Robust casing

6-30 V

Wide external voltage range
(12V, 24V supported)

Allows device to get power
cut off event

I/O

1 Digital / 1 Analog inputs /
1 Digital Output

USE CASES

**PUBLIC SAFETY
SERVICES**

**RECOVERY OF
STOLEN CARS**

MOTORBIKES

**DELIVERY
TRANSPORT**

**RENTAL
CARS**

Power cable   Status LED

Module

Name	Teltonika TM2500
Technology	GSM/GPRS/GNSS/BLUETOOTH

GNSS

GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
Receiver	33 channel
Tracking sensitivity	-165 dBM
Position accuracy	< 2.5 CEP
Velocity accuracy	< 0.1m/s (within +/- 15% error)
Hot start	< 1 s
Warm start	< 25 s
Cold start	< 35 s

Cellular

Technology	GSM
2G bands	Quad-band 850 / 900 / 1800 / 1900 MHz
Data transfer	GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B
Data support	SMS (text/data)

Power

Input voltage range	6 - 30 V DC with overvoltage protection
Back-up battery	170 mAh Li-Ion battery (0.63 Wh)

Power Consumption

Ultra Deep Sleep	At 12V < 2mA
Deep sleep	At 12V < 4mA
Online Deep sleep	At 12V < 5mA
GPS Sleep	At 12V < 6mA
Nominal (with no load)	At 12V < 25mA

Bluetooth

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

Physical specification

Dimensions	78,15 x 42,75 x 21 mm (L x W x H)
Weight	69 g

Interface

Digital Inputs	1
Digital Outputs	1
Analog Inputs	1
GNSS antenna	Internal High Gain
Cellular antenna	Internal High Gain
USB	2.0 Micro-USB
LED indication	1 status LED light
SIM	Micro-SIM
Memory	128MB internal flash memory

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	IP54
Battery charge temperature	0 °C to +45 °C
Battery discharge temperature	-20 °C to +60 °C
Battery storage temperature	-20 °C to +35 °C for 1 month -20 °C to +30 °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, 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	GPS, NITZ, NTP
Fuel monitoring	LLS (Analog), OBDII dongle
Ignition detection	Digital Input 1, Accelerometer, External Power Voltage, Engine RPM (OBDII dongle)

Certification & Approvals

Regulatory	CE/RED, E-Mark, EAC, RoHS, MTBF, REACH, ANATEL