

FMB910 BASIC

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.



USE CASES



PUBLIC SAFETY SERVICES



RECOVERY OF STOLEN CARS



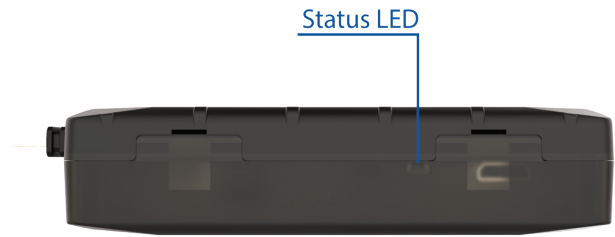
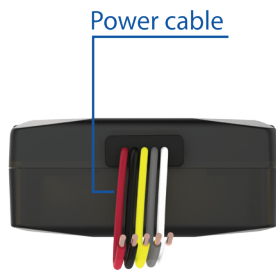
MOTORBIKES



DELIVERY TRANSPORT



RENTAL CARS



Hardware

Module	Teltonika TM2500
Technology	GSM/GPRS/GNSS/BLUETOOTH
GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
Position accuracy	< 2.5 CEP
Velocity accuracy	< 0.1m/s (within +/- 15% error)
Time to first fix (TTFF)	< 1 s (Hot start), < 25 s (Warm start), < 35 s (Cold start)
Cellular	2G bands Quad-band 850 / 900 / 1800 / 1900 MHz
Power	Input voltage range 6-30 V DC with Overvoltage protection, Internal Back-up battery 170 mAh Li-Ion battery (0.63 Wh)
Physical specification	Dimensions 79 x 43 x 27.5 mm (L x W x H), 69 g
Temperature (Without battery)	-40 °C to +85 °C (Operating), -40 °C to +85 °C (Storage)
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP54
Interface	1x Digital Input, 1x Digital Output, 1x Analog Input, GNSS antenna (Internal High Gain), Cellular antenna (Internal High Gain), 1x 2.0 Micro-USB, 1x status LED light, 1x Micro-SIM, 128MB internal flash memory
Sensors	Accelerometer

Software

Scenarios	Green Driving, Over Speeding detection, Towing detection, Auto Geofence, Trip
Sleep modes	GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep
SMS	Events, DOUT control, Debug
GPRS commands	Configuration, DOUT control, Debug
Time Synchronization	GNSS, NITZ, NTP
Fuel monitoring	LLS (Analog)
Ignition detection	Digital Input 1, Accelerometer, External Power Voltage