



FMB-910 • GPS Tracker Technical Datasheet



FMB-910 Smart Tracker - Internal Backup Battery



Sensors



Sleep modes



SMS



Fuel monitoring



Time Synchronization



Ignition Detection



Product Summary

Fleetly FMB 910 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.

Key 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 Geo fence, Manual Geo fence, Trip

➤ Sleep modes

GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep

➤ Configuration and firmware update

FOTA Web, FOTA, Fleetly 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 (CAN Adapters, OBDII dongle)

Technical Specification

Module

Name	FMB-910
Technology	GSM/GPRS/GNSS/BLUETOOTH

GNSS

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

Cellular

Technology	GSM
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 < 3mA
Deep Sleep	At 12V < 4mA
Online Sleep	At 12V < 5mA
GPS Sleep	At 12V < 6mA
Nominal	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 GSM 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 (With battery)	-20 °C to +40 °C
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 +45 °C for 1 month -20 °C to +35 °C for 6 months

Certification & Approvals

Regulatory

CE/RED, E-Mark, EAC, ROHS, REACH, Anatel, SDPPI POSTEL

