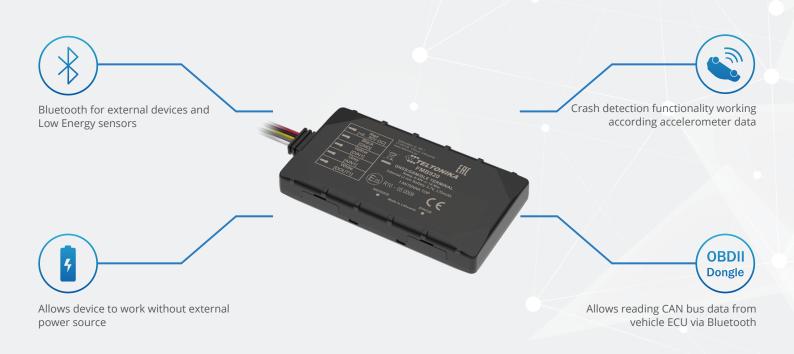


# **FMB920**

### SMALL AND SMART TRACKER WITH BLUETOOTH AND INTERNAL BATTERY

Teltonika FMB920 is compact and smart tracker with Bluetooth connectivity, internal High Gain GNSS and GSM antennas and integrated backup battery. FMB920 is designed for light vehicles tracking in applications like insurance telematics, rental cars, recovery of stolen cars, public safety services, delivery transport, taxi and much more. Inputs/outputs extend device usage scenarios. Digital input can be used for ignition, door or alarm button status monitoring. Vehicle remote immobilizing may be achieved using FMB920 digital output.



## **USE CASES**





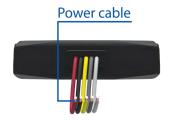






**RENTAL AND LEASING** 







#### 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
Accuracy	< 3 m
Hot start	<1s
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-lon battery (0.63 Wh)

#### **Bluetooth**

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

#### **Physical specification**

Dimensions	79 x 43 x 12 mm (L x W x H)
Weight	54 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	2 status LED lights
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, REACH

