



FMB900

Low-cost compact 2G model for basic tracking



EXTENSIVE MONITORING

Blocking engine remotely among the numerous available fleet control measures

CRASH DETECTION

Crash detection functionality working according to accelerometer data

ECO-DRIVING

Eco-driving scenario for all-round better driving

BLUETOOTH® TECHNOLOGY

Extended product usage scenarios with external devices



Light vehicles



Motorbikes

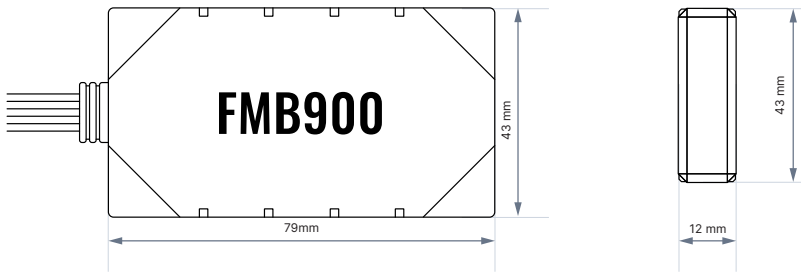


Insurance telematics (UBI)



Courier delivery services

Teltonika FMB900 is compact and smart tracker with Bluetooth® connectivity, internal High Gain GNSS and GSM antennas. FMB900 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 FMB900 digital output.



Product

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|------------|-----------------------------|
| Model name | Teltonika TM2500 |
| Technology | GSM/GPRS/GNSS/BLUETOOTH® LE |

GNSS

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|----------------------|---|
| GNSS | GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS |
| Receiver | 33 channel |
| Tracking sensitivity | -165 dBm |
| Accuracy | < 3 m |
| Hot start | < 1 s |
| Warm start | < 25 s |
| Cold start | < 35 s |

Cellular

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|---------------|--|
| 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

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|---------------------|---|
| Input voltage range | 6 - 30 V DC with overvoltage protection |
|---------------------|---|

BLUETOOTH® technology

| | |
|------------------------|--|
| Specification 4.0 + LE | 4.0 + LE |
| Supported peripherals | EYE beacon and sensor, Headset, OBDII dongle, Inateck Barcode Scanner, Universal Bluetooth® LE beacons and sensors support |

Physical specification

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|---|-----------------------------|
| Universal Bluetooth® LE beacons and sensors support | 79 × 43 × 12 mm (L x W x H) |
| Weight | 50 g |

Interface

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|------------------|-----------------------------|
| 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

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|---------------------------|--------------------------|
| Operating temperature | -40 °C to +85 °C |
| Storage temperature | -40 °C to +85 °C |
| Operating humidity | 5% to 95% non-condensing |
| Ingress Protection Rating | IP54 |

Features

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|-----------------------------------|--|
| Sensors | Accelerometer |
| Scenarios | Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, DOUT Control Via Call, Excessive Idling 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® wireless technology), 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

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| Regulatory | CE/RED, E-Mark, EAC, RoHS, REACH |
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