

FMT100

EASY INSTALLATION GPRS/GNSS TRACKER WITH GYROSCOPE

Teltonika FMT100 small, smart and waterproof GNSS SPECIAL tracker with Bluetooth connectivity and internal backup battery. Biggest in its class internal High Gain GNSS antenna allows mounting directly on car battery under the hood. FMT100 is equipped with special clamp connector for fast power cable connection to the car battery. Solid waterproof case and built-in accelerometer & gyroscope sensors with extremely accurate crash trace functionality makes this device perfectly suitable for insurance market solutions.



Allows device to work without external power source



Bluetooth for external devices and Low Energy sensors



Crash detection functionality working according accelerometer data



Built-in accelerometer for accurate crash trace data



USE CASES



LIGHT VEHICLES



TAXI



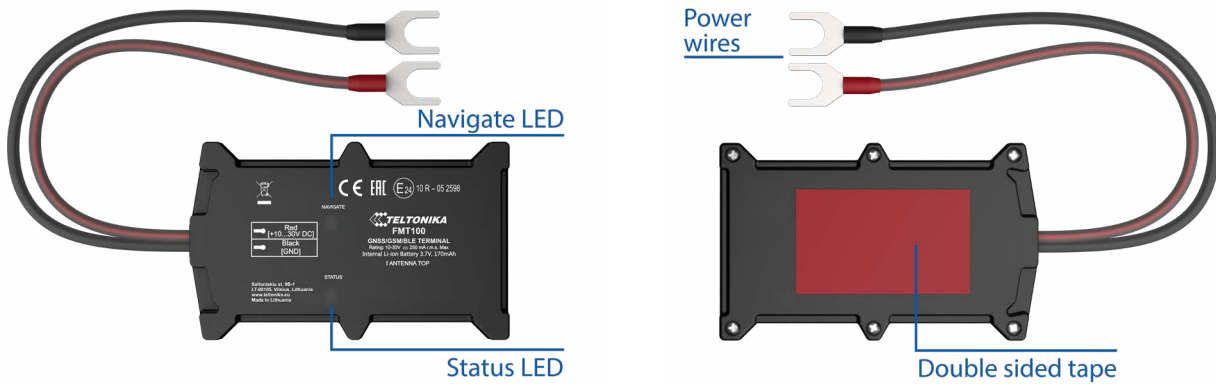
INSURANCE TELEMATICS (UBI)



COURIER DELIVERY SERVICES



RENTAL AND LEASING



Module

| | |
|------------|-------------------------|
| Name | Teltonika TM2500 |
| Technology | GSM/GPRS/GNSS/BLUETOOTH |

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 | 10 - 30 V DC with overvoltage protection |
| Back-up battery | 170 mAh Li-Ion battery 3.7 V (0.63 Wh) |

Bluetooth

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

Physical specification

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|------------|---------------------------------|
| Dimensions | 92.5 x 57.6 x 14 mm (L x W x H) |
| Weight | 63 g |

Interface

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|------------------|-----------------------------|
| GNSS antenna | Internal High Gain |
| Cellular antenna | Internal GSM 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 (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 | IP65 |
| 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 |

Features

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|-----------------------------------|---|
| Sensors | Accelerometer and gyroscope |
| Scenarios | Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, 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, Debug |
| GPRS commands | Configuration, Debug |
| Time Synchronization | GPS, NITZ, NTP |
| Fuel monitoring | ODBDII dongle |
| Ignition detection | Accelerometer, External Power Voltage, Engine RPM (ODBDII dongle) |

Certification & Approvals

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