MOBILISIS®

SpotiTrack Akku

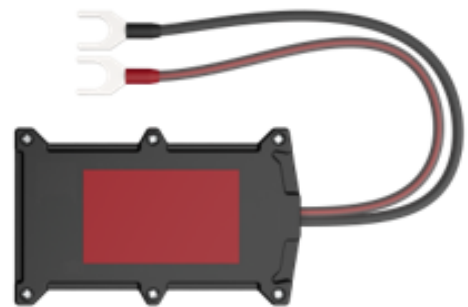## Vehicle monitoring device that is installed on a car battery

Features

- Simple to use, no need for a specialist to install it
- „Crash detection" using an accelerometer
- The internal battery can detect power supply shut off
- For vehicles with 12V and 24V installation
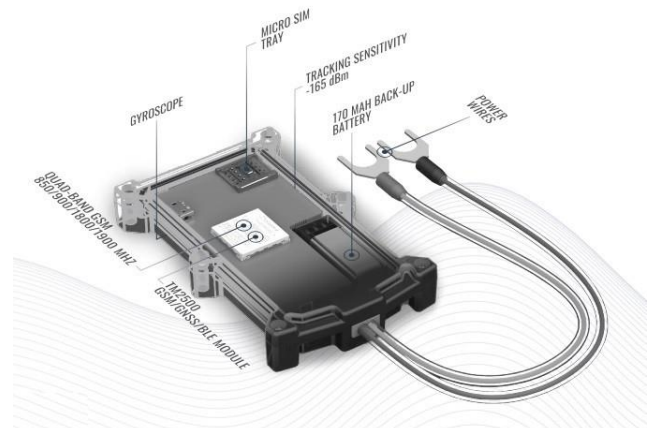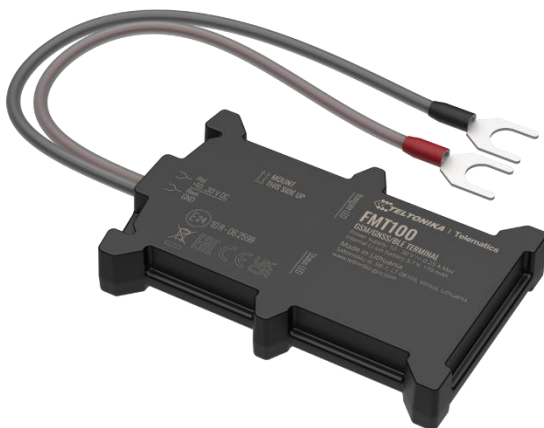- BLE module and 128 Mb internal memory

Product description

The FMT100 is a small, smart and waterproof GPS tracker with Bluetooth connectivity and an internal spare battery. The largest GPS antenna in the class of such devices, with high gain, allows mounting directly to the car battery under the hood. The FMT100 is equipped with special power connection terminals for quick connection to the car battery. Rigid waterproof housing and built-in accelerometer sensor with extremely precise collision tracking and Eco-driving functionality make this device perfectly suited for solutions in the insurance, vehicle surveillance and rent'a'car fleet markets.

Functionality

Double-sided adhesive tape allows easy fixing of the device to the vehicle battery, and specially prepared connectors facilitate a fixed connection to the battery poles.

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MODULE

Name	TM2500
Technology	GSM/GPRS/GNSS/BLUETOOTH

GNSS

GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
Receiver	33 channel
Tracking sensitivity	-165 dBM
Accuracy	< 2.5m CEP
Hot start	< 1 s
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	10 - 30 V DC with overvoltage protection
Back-up battery	170 mAh Li-Ion battery 3.7 V (0.63 Wh)
Power consumption	At 12V < 1.47 mA (Ultra Deep Sleep) At 12V < 3.21 mA (Deep Sleep) At 12V < 3.75 mA (Online Sleep) At 12V < 5.48 mA (GPS Sleep) At 12V < 24.41 mA (nominal)

BLUETOOTH

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

INTERFACE

GNSS antenna	Internal High Gain
Cellular antenna	Internal GSM High Gain
USB	2.0 Micro-USB

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LED indication	2 status LED lights
SIM	Micro-SIM
Memory	128MB internal flash memory

PHYSICAL SPECIFICATION

Dimensions	92,5 x 57,6 x 14 mm (L x W x H)
Weight	63 g

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	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

Sensors	Accelerometer
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	OBDII dongle
Ignition detection	Accelerometer, External Power Voltage, Engine RPM (OBDII dongle)

CERTIFICATION & APPROVALS

Regulatory	CE/RED, EAC, REACH, RoHS