

The Teltonika FMT100 is a 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 onto the car battery under the bonnet. The FMT100 is equipped with special clamp connectors 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.

## **MODULE**

Teltonika TM2500

GSM/GPRS/GNSS/BLUETOOTH

## **GNSS**

GNSS

GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS

Receiver 33 channels

Tracking sensitivity -165 dBm

Accuracy < 3 m

Hot start < 1 s

Warm start < 25 s

Cold start < 35 s

## **CELLULAR**

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 < 4.5 mA (Ultra Deep Sleep)

At 12V < 6 mA (Deep Sleep)

At 12V < 9 mA (Online Sleep)

At 12V < 11 mA (GPS Sleep)

At 12V < 26 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 High Gain
USB	2.0 Micro-USB
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 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

OBDII dongle

Ignition detection

Accelerometer, External Power Voltage, Engine RPM (OBDII dongle)

## CERTIFICATION & APPROVALS

Regulatory CE/RED, EAC, REACH, RoHS