

FMP100

PLUG AND TRACK DEVICE WITH BLUETOOTH

FMP100 is Plug and Play tracker with GNSS, GSM and Bluetooth connectivity and cigarette lighter power connector for easy installation. It is ideal for light vehicle tracking in applications like courier delivery service, car rental & leasing, insurance telematics and many other applications, where simple integration is a must. Bluetooth 4.0 LE allows this small device to have capabilities of an advanced tracker: various data reading from Bluetooth Low Energy sensors, hands-free headset usage, firmware and configuration update.



Button for alarm event generation or Private mode usage



Crash detection according to accelerometer data



Bluetooth for external devices and Low Energy sensors



RGB LED and buzzer for user notifications according to selected scenario



USE CASES



FLEET
MANAGEMENT



DRIVER
LOG-BOOK



INSURANCE
TELEMATICS (UBI)



COURIER
DELIVERY SERVICE



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
Position accuracy	< 2.5 CEP
Velocity accuracy	< 0.1m/s (within +/- 15% error)
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)
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)

Bluetooth

Specification	4.0 + LE
Supported peripherals	Temperature and Humidity sensor, Hands-free headset, Inateck Barcode Scanner, Universal BLE sensors support

Physical specification

Dimensions	96,7 x 33,4 x 27,5 mm (L x W x H)
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Interface

Connection	Cigarette lighter socket
Configurable buttons	1
GNSS antenna	Internal High Gain
Cellular antenna	Internal GSM High Gain
USB	1 x USB 2.0 Micro-USB for configuration 1 x USB type A for external device charging (5V 1A)
LED indication	RGB LED
SIM	Nano-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	IP41
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
Ignition detection	Accelerometer, External Power Voltage