

TFT100

SOLUTION FOR ELECTRIC VEHICLES TRACKING

Teltonika is one of the leading IoT companies which covers full product lifecycle, from design to mass production and to further support. More than 8 million trackers were deployed all over the world. Electric vehicles market is growing every year. We are always eager to help our clients to achieve the best performance and increase added value for end customers. Our newly designed GNSS/GSM tracker for electric transport will allow you to read various vehicle data and track objects in real time. Our 20-year experience in GPS trackers development will ensure that!



CAN, RS232, RS485, UART support depending on chosen modification



Firmware and configuration update over FOTA



1-Wire interface for monitoring temperature data and RFID/iButton tags



9-96 V wide range of power supply voltage for integration variety



IP67 classified degree of protection from water and dust



Bluetooth for external devices and Low Energy sensors



USE CASES



E-MOPEDS



E-SCOOTERS



FORKLIFTS



Module

| | |
|------------|---|
| Name | Teltonika TM2500 |
| Technology | GSM/GPRS/GNSS/BLUETOOTH |
| GNSS | GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS |
| Accuracy | < 3 m |
| Cellular | Quad-band GSM 850 / 900 / 1800 / 1900 MHz GPRS Multi-Slot Class 12 (up to 240 kbps) GPRS Mobile Station Class B |

Power

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|--------------------------|---|
| Input voltage range | 9 - 96 V DC |
| Internal Back-up battery | 1800 mAh Li-Ion battery 3,7 V (6,66 Wh) |

Interface

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|----------------|--|
| GNSS antenna | Internal High Gain |
| GSM antenna | Internal High Gain |
| USB | 2.0 Micro-USB |
| LED indication | 2 status LED lights |
| Digital Input | 4 |
| Analog Input | 2 |
| Digital Output | 2 |
| 1-Wire DATA | 1 |
| 1-Wire POWER | 1 |
| RS232/RS485 | 1 |
| UART | 1 |
| CAN-BUS | 1 |
| Memory | 128 MB internal flash memory (220'000 records) |
| Sensors | Accelerometer |
| Case rating | IP67 |

Bluetooth

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|---------------|----------|
| Specification | 4.0 + LE |
|---------------|----------|

Features

| | |
|-----------------------------------|--|
| Sleep modes | GPS sleep, Deep Sleep, Ultra Deep Sleep, Online Deep Sleep |
| Configuration and firmware update | FOTA Web (cloud based solution) Teltonika Configurator (USB, Bluetooth) |
| Scenarios | Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, DOUT Control Via Call, Excessive Idling detection, Immobilizer, iButton Read Notification, Unplug detection, Towing detection, Crash detection, Tilt detection, Auto Geofence, Manual Geofence, Trip |
| Protocols | UDP/TCP/SMS |
| Data sending | GPS Sleep, Online Deep Sleep, Deep Sleep |
| Security | Configuration password SMS login and password Authorized GSM numbers list |

Certification & Approvals

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|----------|---------|
| CE (RED) | Pending |
| FCC | Pending |