

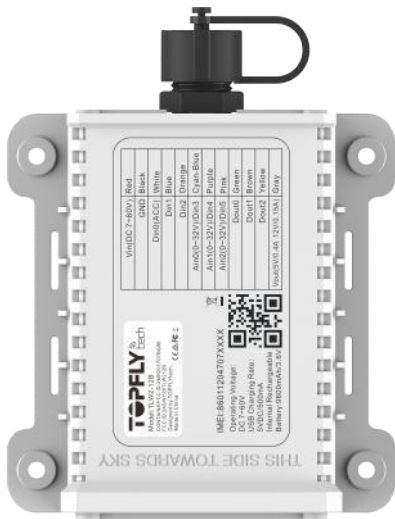
# PROFESSIONAL HARDWIRED TRACKER

TLW2-12B allows customers to tailor their unique fleet management solutions. Powerful battery and I/O ports can deal with any condition easily

# LTE & GSM TLW2- 12B

4G

LTE Cat-M 1 (eMTC)/Cat-NB1 (NB-IoT) and GSM assets tracking devices for wide ranging applications



- | 320g (11.3oz)
- | 132mm\*100mm\*34mm (5.2\*\*3.93\*\*1.34")
- | -25°C ~ +70°C (-13°F ~ 158°F)
- | Rechargeable Li 9600 mAh/3.6V

## Certificates:

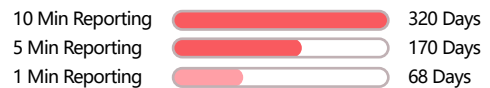


\*Please reach out to us if you need any certificates in particular

- Compact Size
- Easy Installation
- Waterproof
- Firmware Over the Air
- Driving Behavior Monitoring
- Motion Detection
- BLE 5.0 (Full set wireless sensors solution)
- Removal Alert
- Data Security (MD5/AES)
- MQTT Support

## Standby Time

(Without solar charging, 2 hours active tracking per day)



Trailer Tracking



Container Tracking



Freight Transport



# LTE TLW2-12B SPEC

| Network/Operating Band  |  |
|---|--|
| Operating Band  | FDD: B1/B2/B3/B4/B5/B8/B12/ B13/B18/B19/B20/B25/B28<br>TDD: B39 (Cat M1 only)<br>EGPRS 850/900/1800/1900MHz  |
| Data Transmission   | eMTC: Max. 300Kbps (DL), Max. 375Kbps (UL)<br>NB1: Max. 32Kbps (DL), Max. 70Kbps (UL)<br>EDGE: Max. 296Kbps (DL), Max. 236.5Kbps (UL)<br>GPRS: Max. 107Kbps (DL), Max. 85.6Kbps (UL) |
| GNSS Specifications   |  |
| GNSS Chipset  | Qualcomm Gen 8C GNSS receiver  |
| Parallel GNSS   | GPS+Glonass+Galileo+Beidou   |
| Receiver Type   | 33 tracking   99 acquisitions- channel GNSS receiver   |
| Sensitivity   | Cold start: - 149 dBm<br>Tracking: -163 dBm  |
| Position Accuracy (CEP)   | Autonomous < 2m  |
| Standalone TTFF   | Cold start: < 29s<br>Warm start: < 27s<br>Hot start: < 1s  |
| Interfaces  |  |
| Digital Input   | 3  |
| Digital Output  | 3  |
| Configurable Input (Digital/Analog)   | 3 (input range 0-32V, >6V trigger in digital)  |
| Voltage Output (DC 5V/ 12V)   | 1  |
| Charging and Data Transmission  | DC 7-60V or USB cable  |
| Network, GNSS Antenna   | Internal only  |
| Indicator LED   | Network, GNSS and Battery  |
| FOTA  | Yes  |
| Light Sensor  | 1 back light sensor  |
| Temperature Sensor  | 1 temperature sensor   |
| BLE 5.0   | Yes  |
| General Specifications  |  |
| Waterproof  | IP67   |
| Dimensions  | 132mm*100mm*34mm (5.2"*3.93"*1.34")  |
| Weight  | 320g (11.3oz)  |
| Battery   | Rechargeable Li 9600 mAh/ 3.6V   |
| Standby Time<br>(2 hours active tracking per day<br>without accessories and charging) | 10 minutes reporting: 320 Days<br>5 minutes reporting: 170 Days<br>1minute reporting: 68 Days  |
| Charging & Data Communication   | Magnetic USB cable<br>(Recommend using 5V 1A adaptor, 20 hours charging)   |
| Operating Temperature   | -25°C ~ +70°C (-13°F ~ 158°F)  |
| Mounting  | Magnet/Screw   |
| Air Interface Protocol  |  |
| Transmit Protocol   | TCP, UDP, MQTT, SMS  |
| Data Security & Encryption Option   | MD5/ AES256  |
| BLE Accessory Support   | Yes  |
| Scheduled Timing/angle/distance Report  | Report position and status at preset intervals   |
| External Power Status Alarm   | Report when external power is disconnected   |
| Low Power Alarm   | Report when backup battery is low  |
| Remote Control  | Remote output control  |
| Removal Alarm   | Sending alarm when the light sensor detecting the light changing   |
| Industry Certifications   |  |
| CCE, RCM, IC, FCC, PTCRB, AT&T, US Cellular, T-Mobile(on-going), Verizon(on-going)    |  |