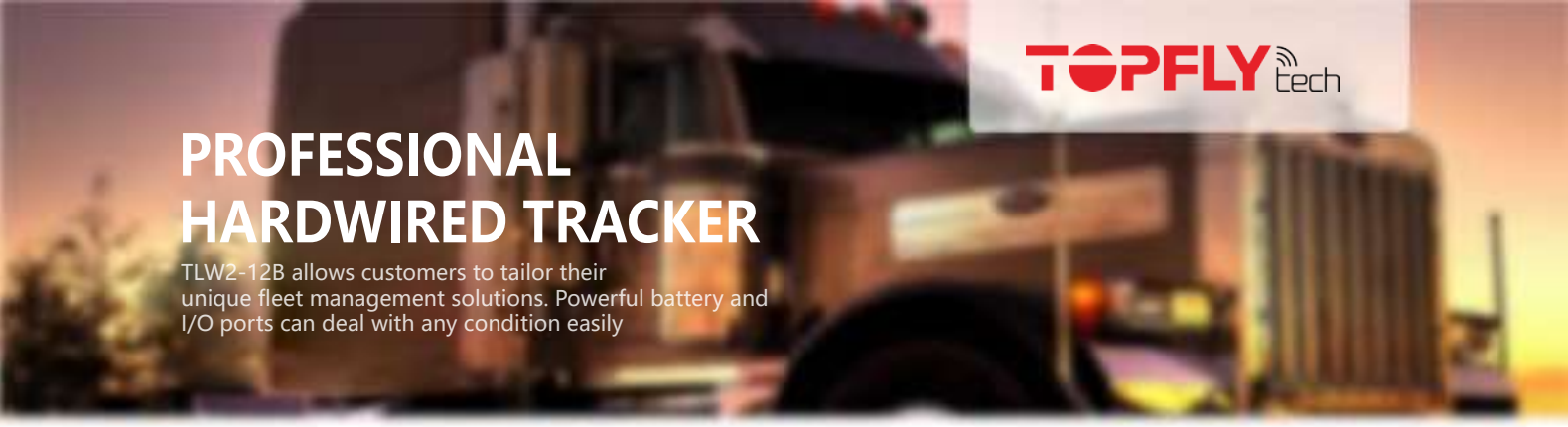
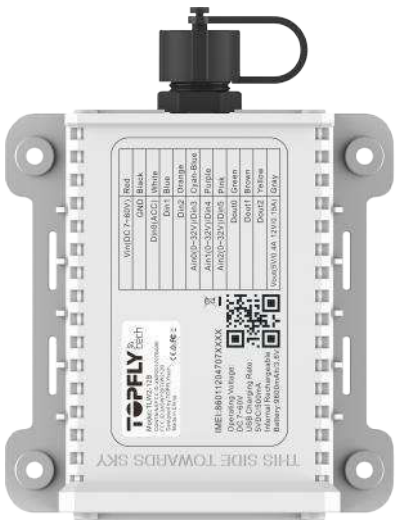


PROFESSIONAL HARDWIRED TRACKER

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*l00mm*34mm (5.2"*3.93"*1.34")

-25℃ ~ +80℃ (-13℉ ~ 176℉)

Rechargeable Li 9600 mAh/3.6V

- 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

Certificates:

CE FC IC PTCRB AT&T T-Mobile U.S.Cellular

Standby Time

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

10 Min Reporting	320 Days
5 Min Reporting	170 Days
1 Min Reporting	68 Days

Trailer Tracking



Container Tracking



Freight Transport



TLW2–12B SPEC

Network/Operating Band	
Operating Band	FDD: B1/B2/B3/B4/B5/B8/B12/ B13/B18/B19/B20/B25/B28 TDD: B39 (Cat M1 only) EGPRS 850/900/1800/1900MHz
Data Transmission	eMTC: Max. 300Kbps (DL), Max. 375Kbps (UL) NB1: Max. 32Kbps (DL), Max. 70Kbps (UL) EDGE: Max. 296Kbps (DL), Max. 236.SKbps (UL) 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 I 99 acquisitions- channel GNSS receiver
Sensitivity	Acquisition: -147 dBm Reacquisition: -159 dBm
Position Accuracy (CEP)	Autonomous < 2m
Standalone TTFF	Cold start: < 29s Warm start: < 27s 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 (2 hours active tracking per day without accessories and charging)	10 minutes reporting: 320 Days 5 minutes reporting: 170 Days 1minute reporting: 68 Days
Charging & Data Communication	Magnetic USB cable (Recommend using 5V 1A adaptor, 20 hours charging)
Operating Temperature	-25℃ ~ +80℃ (-13°F ~ 176°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, Emark, IP67, PTCRB, AT&T, US Cellular, T-Mobile	