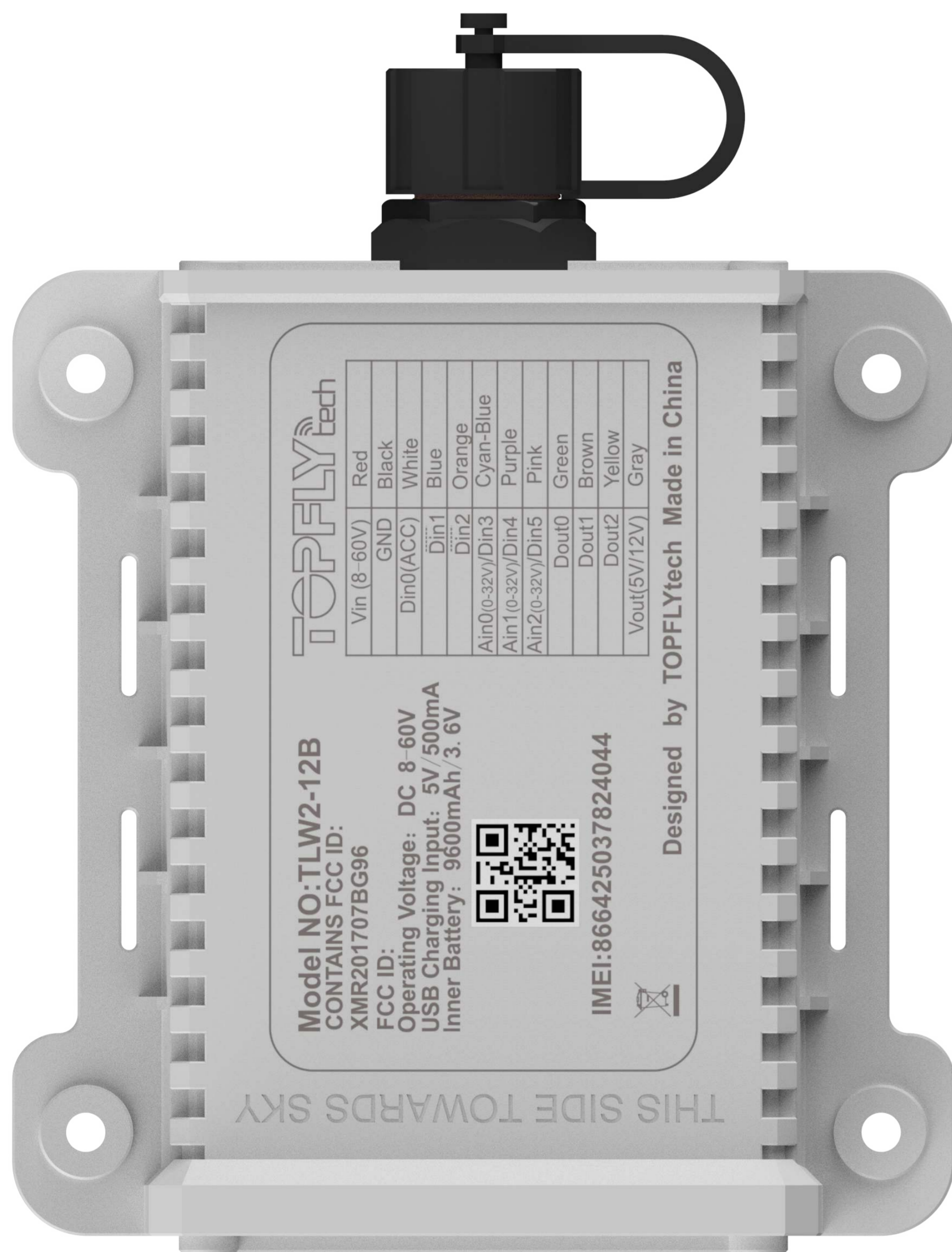


# PROFESSIONAL HARDWIRED TRACKER

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

# LTE & GSM TLW2-12B 4G

*LTE Cat-M1(eMTC)/Cat-NB1(NB-IoT) and GSM assets tracking devices for wide ranging applications*



- 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

- 255g(9oz)
- 106\*100\*32mm (4.17" \* 3.94" \* 1.26")
- 25°C ~ +70°C (-13°F ~ 158°F)
- Rechargeable Li 9600 mAh/3.6V

## Standby Time

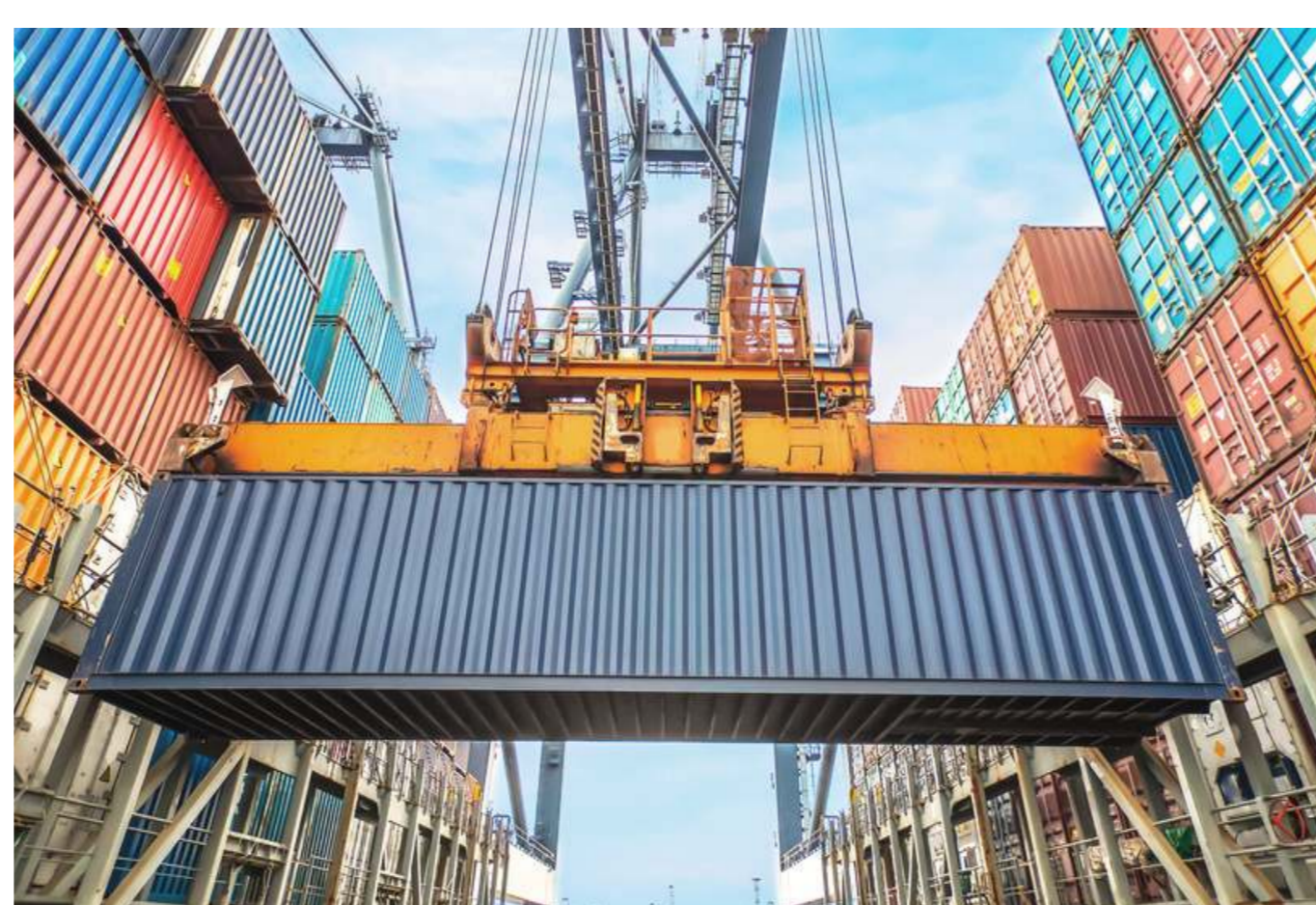
(2 hours active tracking per day without charging)

10 Min Reporting	<div style="width: 100%; height: 10px; background-color: red;"></div>	320 Days
5 Min Reporting	<div style="width: 50%; height: 10px; background-color: red;"></div>	170 Days
1 Min Reporting	<div style="width: 20%; height: 10px; background-color: red;"></div>	68 Days

**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 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. 236.8Kbps (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 / 99 acquisitions- channel GNSS receiver
Sensitivity	Cold start: -149 dBm Tracking: -163 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
Voltage Output (DC 5V/12V)	1
Charging and Data Transmission	4 Pin port with magnet
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	106*100*32mm (4.17" *3.94" * 1.26")
Weight	255g (9oz)
Battery	Rechargeable Li 9600 mAh/ 3.6V
Standby Time	Without reporting: 2800 hours (120 Days) 5 minutes reporting: 500 hours (20 Days)
Charging	Wires
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