

TLP2-SFB





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



The solar-powered TLP2-SFB is a weather-resistant device that is great for tracking assets lacking a power source or a hardwired connection. Compact and wireless, the TLP2-SFB is perfect for monitoring containers, trailers, heavy equipment, trucks and more. The device is ruggedized and designed to handle the elements. It reports when the vehicle or trailer starts and/or stops moving and during transit. In addition, the device is able to send removal alerts. Its rechargeable Li-polymer battery lasts for months without the need for solar charging due to its automatic power save mode.




- Compact Size
- Easy Installation
- Waterproof
- Firmware Over the Air
- BLE 5.0 (full set wireless sensor solution)
- Solar Powered
- Low Battery Alarm
- Removal Alert
- Data Security (MD5/AES)

Device Specs

	.82 lbs (13.05oz)		3.35" L 7.28" H 1.22" D (85mm 185mm 31mm)
	-13°F – 176°F (-25°C – +80°C)		Rechargeable Li 9600 mAh/3.6V

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



Certifications

IC

PTCRB

FCC

CE

verizon
(PENDING)

*Please reach out to us if you need specific certificates.

Call to learn more (888) 449-0357

Email us at sales@precisemrm.com.

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NETWORK/OPERATING BAND

Operating Band	FDD: B1/B2/B3/B4/B5/B8/B12/B13/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

Charging and Data Transmission	4 Pin port with magnet
Network, GNSS Antenna	Internal only
Indicator LED	Network, GNSS and Battery level
FOTA	Yes
Physical Power Switch	1
Light Sensor	1 back light sensor
Temperature Sensor	1 temperature sensor
BLE 5.0	Yes

GENERAL SPECIFICATIONS

Waterproof	IP6
Dimensions	3.35" L 7.28" H 1.22" D (85mm 185mm 31mm D)
Weight	.82 lbs (13.05oz)
Battery	Rechargeable Li 9600 mAh/ 3.6V
Standby Time (Without considering solar charging, 2 hours active tracking per day)	10 minutes reporting: 320 Days 5 minutes reporting: 170 Days 1 minute reporting: 68 Days
Charging & Data Communication	Magnetic USB cable (Recommend using 5V 1A adaptor, 20 hours charging)
Solar Panel	For charging the tracker battery
Operating Temperature	-25°C – 80°C (-13°F – 176°F)
Mounting	Magnet/Screw

AIR INTERFACE PROTOCOL

Transmit Protocol	TCP, UDP, MQTT, SMS
Data Security & Encryption Option	MD5/AES128
BLE Accessory Support	Yes
Scheduled Timing/angle/distance Report	Reports position and status at preset intervals
Geo-fence	Supports up to 64 internal geo-fence regions
Low Power Alarm	Sends alarm when battery is low
Motion Detection	Motion alarm based on internal 3-axis accelerometer
Removal Alarm	Sends 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)



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Email us at sales@precisemrm.com.

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