

PREMIUM SOLAR-POWERED ASSET TRACKER

SolarX110 is a premium solar powered asset tracking device with high grade solar panel for wide ranging applications

SolarX 110 ^{4G}

LTE Cat 1 and GSM assets tracking devices for wide ranging applications



150g (5.3oz)

88mm*60.4mm*30.7mm
(3.46" * 2.38" * 1.21")

-30°C ~ +80°C
(-22°F ~ 176°F)

Rechargeable Li 2500mAh/3.6V

Certificates (planned):



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

- ✖ Compact Size
- ✂ Easy Installation
- ☔ Waterproof
- ☁ Firmware Over the Air
- ☀ Solar Powered
- 📶 BLE 5.3 (full set wireless sensor solution)
- 🔋 Low Battery Alarm
- 🚨 Removal Alert
- 🔒 Data Security (MD5/AES)
- 📡 MQTT Support

UNLIMITED STANDBY TIME (WITH PROPER SETTING)
CLICK/SCAN FOR MORE CALCULATION:



Battery Life Calculator

Trailer Tracking



Container Tracking



Freight Transport



PRODUCT SPECIFICATIONS

Network Specifications	
Operating Band	LTE FDD Cat 1: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28/B66 LTE TDD Cat 1: B34/B38/B39/B40/B41 GSM: 850/900/1800/1900 MHz
Data Transmission	LTE-FDD: Max.10Mbps (DL), Max.5Mbps (UL) LTE-TDD: Max.8.96Mbps(DL), Max.3.1Mbps (UL) GPRS: Max. 85.6Kbps (DL), Max. 85.6Kbps (UL)
GNSS Specifications	
GNSS Chipset	All-In-One GNSS Receiver
GNSS System	GPS+Glonass+Galileo+Beidou+QZSS
Receiver Type	47 tracking/47 acquisitions- channel GNSS receiver
Sensitivity	Acquisition: -147 dBm Tracking: -166 dBm Reacquisition: -159 dBm
Horizontal Position Accuracy	Autonomous: <2m CEP
TTF @ -130 dBm with (without) Easy	Cold start: <15S/28s Warm start: <25s/2s Hot start: <1s/1s
Interfaces	
Charging and Data Transmission	Type-C connector
Network, GNSS Antenna	Internal only
LED Indicator	Network, GNSS and Battery
FOTA	Yes
Touch Button	For Power On and Off
Hall Switch	For Remove Alert
Sim Card	Nano SIM Card
Temperature Sensor	Built-in Temperature sensor
BLE 5.3	Yes
Tracker Configuring	Type-C Connector
WiFi	2.4 GHz 802.11b (Rx)
General Specifications	
Waterproof	IP67
Dimensions	88mm*60.4mm*30.7mm (3.46" *2.38" *1.21")
Weight	150g (5.3oz)
Battery	Rechargeable Li-Polymer 2500 mAh/ 3.6V
Standby Time	Unlimited standby time with proper setting Click/Scan for more calculation on the QR code above
Charging & Data Communication	Type-C cable (A to C and C to C) (Recommend using 5V 1A adaptor, 5 hours charging)
Operating Temperature	-30 °C ~ +80 °C (-22°F ~ 176°F)
Mounting	Magnet/Screw/Double-sided tape
Air Interface Protocol	
Transmit Protocol	TCP, UDP, MQTT, SMS
Data Security & Encryption Option	MD5/ AES128
BLE Accessory Support	Yes
Scheduled Timing/angle/distance Report	Report position and status at preset intervals
Geo-fence	Support up to 64 internal geo-fence regions
Alarms	Support up to 31 types of alarms including Low Power, Motion Detection, Removal, etc.

OptiOnal Accessories List

Product Sku	Description	Photo for Reference
TA59	SolarX 110 bracket (stainless steel) with 2 mounting screws	
TA60	Magnet Set (2 units) for SolarX 110 bracket with 2 mounting screws and (If use magnet installation method, it will not support remove alert function)	
TA63	Double-sided tape for SolarX 110 bracket	
TSTH1-B	BLE 5.0 Wireless Temperature and Humidity Sensor	
TSDT1-B	BLE 5.0 Wireless Door and Temperature Sensor	
TSR1-B	BLE 5.0 Wireless Relay	
T-button	BLE 5.1 Key Fob & Panic button	
T-sense	BLE 5.1 IP67 temp&movement&door sensor	
T-hub	BLE 5.1 IO extension hub	
T-one	BLE 5.1 Probe temp or temp&humi sensor extender	
TA51	Torque Adjustable Hand Screwdriver	