Premium Solar-powered Container Tracker

SolarX130 is a premium solar powered asset tracking device with high grade solar panel for all purpose container tracking solution

SolarX 130 4G

LTE Cat 1 and GSM assets tracking devices for multi-types of containers

PBN:01

PBN:02

	PBN:01	PBN:02
🔋	15000mAh/3.7V Rechargeable	7500mAh/3.7V Rechargeable
📦	293.5mm*67.0mm*28.0mm (11.5"*2.63"*1.10")	216.5mm*67.0mm*28.0mm (8.52"*2.63"*1.10")
⚖	698.9g (24.65 oz)	459.4g (16.20 oz)
🌡	–30℃ ~ +85℃ (–22°F ~ +185°F)	–30℃ ~ +85℃ (–22°F ~ +185°F)

Features:
- Fit-in-groove Design
- 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/AE5)
- MQTT Suport

Certificates (Planned):

CE   FC   (RCM)   ANATEL   CITC   TDRA   NBTC

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

Container Tracking

Container Management

Freight Transport

PRODUCT SPECIFICATIONS

Network Specification

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 Specification

GNSS Chipset	All-In-One GNSS Receiver
GNSS System	GPS+ Glonassl + Galileo + Beiduo + QZSS
Receiver Type	47 Tracking / 47 Acquisitions- channel GNSSreceiver
Sensitivity	Acquisition:-147 dBm Tracking: -166 dBm Reacquisition:-159 dBm
Horizontal Position Accuracy	Autonomous: <2m CEP
TTFF @ -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	PBN:01: 293.5mm*67.0mm*28.0mm(11.5"*2.63"*1.10") PBN:02: 216.5mm*67.0mm*28.0mm(8.52"*2.63"*1.10")
Weight	PBN:01: 698.9g (24.65 oz) PBN:02: 459.4g (16.20 oz)
Battery	PBN:01: 15000mAh/3.7V Rechargeable PBN:02: 7500mAh/3.7V Rechargeable
Standby Time	Unlimited Standby Time with Proper Setting
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 ~ +85°C (-22°F ~ +185°F)
Mounting	Magnet / Screw & Bracket / Double-sided Tape
Color	White (as Defaut), others (Red, Yellow, Blue, Green) need to be customized

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
Alarm	Support up to 31 types of alarms including Low Power, Motion Detection, Tilt Detection, Collision Detection, Removal, etc.

Optional Accessories List

SKU No.	Description	Photo of Reference
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 10 Extension Hub	
T-one	BLE 5.1 Probe Temp or Temp & Humi Sensor Extender	
(TBA)		