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INDUSTRIAL PRODUCT DATASHEET

SenseCAP T1000-A LoRaWAN Tracker for Indoor and Outdoor Positioning

A credit-card-sized LoRaWAN tracker with seamless indoor/outdoor GNSS, BLE, and Wi-Fi positioning, integrated sensors, and IP65 durability for keeping connected to people and things.

SKU	UPDATED	PRICE
114993073	2026-10-16 10:55:35	$39.90(Excl. VAT)



Overview



The SenseCAP T1000-A LoRaWAN Tracker provides seamless indoor and outdoor positioning using BLE, Wi-Fi, and GNSS (GPS, Beidou, Galileo, and GLONASS) in a credit-card-sized 6.5mm-thick design with IP65 protection. It includes temperature, light, and motion sensors, a panic button and buzzer, offline data storage, magnetic charging, and lower-cost LoRaWAN connectivity for tracking people and assets.

Key Features

Note:

T1000 comes in four versions now:

For asset tracking applications that require longer battery life, enhanced durability and optional solar power support, we also launch the **SenseCAP T2000 series**. The T2000 is specifically designed for robust, long-term outdoor asset tracking deployments. The T2000 has **IP67 protection** and **ATEX certification**, suitable for harsh and hazardous environments. And also supports reliable **GNSS, BLE and Wi-Fi positioning**.

What makes SenseCAP T1000 stand out?

- **Feature 1: Seamless indoor and outdoor positioning**

T1000 effectively employs BLE and Wi-Fi for pinpoint indoor positioning and utilizes GNSS technologies, including GPS, Beidou, Galileo, and GLONASS for precise outdoor tracking.

Learn how the SenseCAP T1000-A/B is utilized in a **LoRaWAN alarming solution** for real-time indoor and outdoor tracking, as well as instant alerts. Ideal for schools, industrial sites, warehouses, hospitals, and event venues, etc. Discover more here: **LoRaWAN® Badge for Indoor Positioning and Instant Safety Alerts.**

- **Feature 2: Credit card size can fit in any application**

At a mere 6.5mm thick, this small and slim tracker can easily slip into envelope-like spaces.

T1000 fits in wide range of scenarios:

- **Feature 3: Monitoring Beyond Location**

T1000 is equipped with essential features, including a temperature sensor, light sensor, motion sensor, panic button, and buzzer.

The temperature sensor is ideal for monitoring temperature-sensitive goods like food, and the light sensor detects unpacking activities. This data can be utilized for compliance verification.

The motion sensor is useful in identifying if goods are in transit and monitoring potential physical damages. It can report statuses including shock, the start of the movement, the end of the movement, and motionless timeout. Such data can serve as a reference for insurance claims and logistics optimization.

The panic button switches the tracker to SOS mode, which sends data frequently to your platform and triggers the built-in buzzer to alert people nearby that an emergency has occurred.

- **Feature 4: Cheaper in data transmission fee**

Using LoRaWAN, the communication costs are significantly lower compared to cellular networks like 4G, LTE Cat-M, and LTE Cat-1. This greatly lowers the barrier to entry for mass commercial use. For instance, with the same amount of data, using a SIM card on other networks could cost up to $3 while with LoRaWAN it is only $0.05.

- **Feature 5: Months of battery after a single magnetic charge**

With magnetic charge design to enhance water resistance. (PS: Battery life depends on upload interval, work mode, etc., please refer to datasheet)

- **Feature 6: Never lose track of what was happening - Store data offline when out of connection**

- **Feature 7: Built to endure harsh environments**

T1000 is with industrial-grade design, equipped with IP65 waterproof protection. It's built to endure harsh environments, with a working temperature ranging from -20℃ to 60℃ (-4 ℉ to 140℉).

Thus, if you're on the hunt for a simple, cost-effective tracking solution, SenseCAP T1000 is an optimal choice, especially in routine areas where activities or movements occur on a regular, predictable basis. This could include a designated route for delivery vehicles to follow, a university campus where students move between classes or a resort where guests visit certain attractions regularly.

Product Gallery





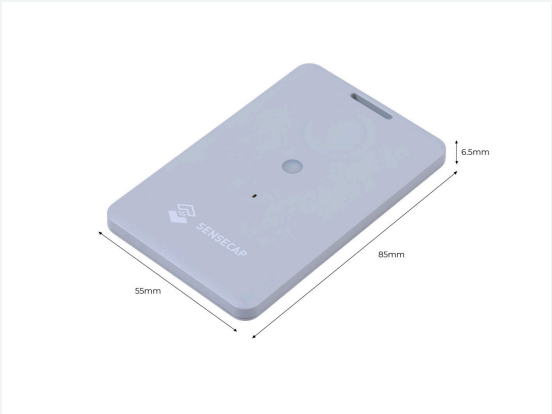










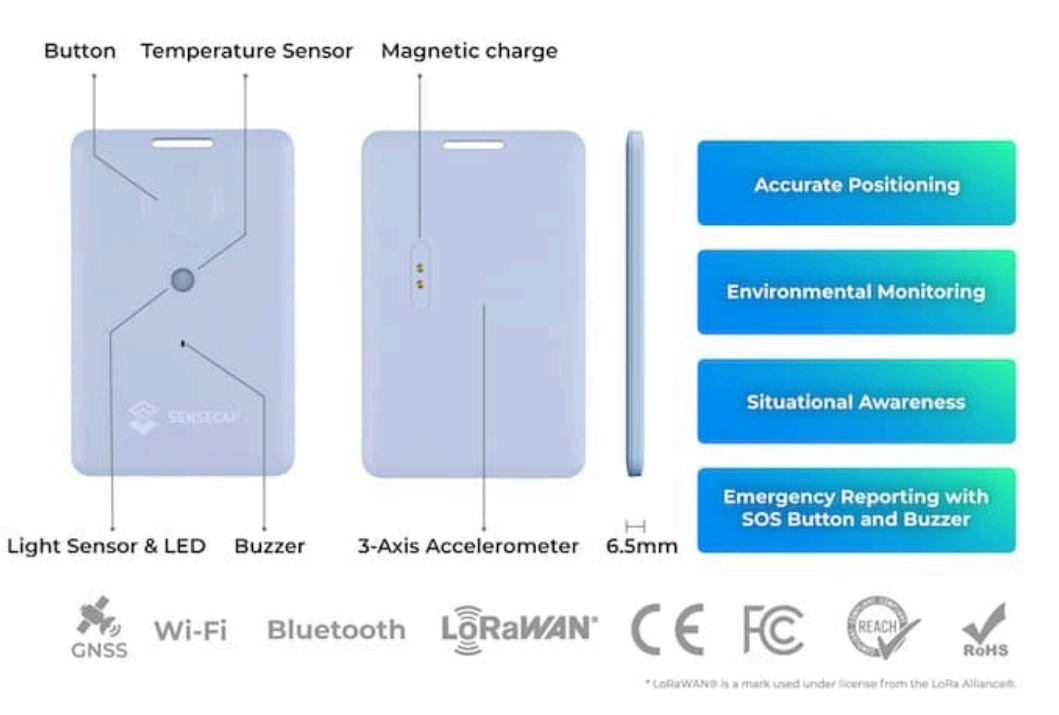


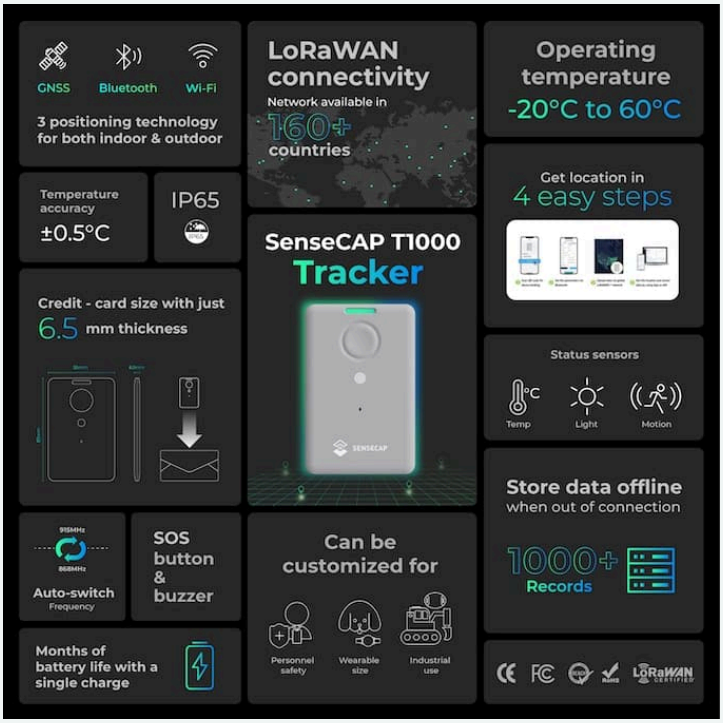
Specification

General Parameters	
Product Model	T1000-A/T1000-B/T1000-E
Backhaul	LoRaWAN® (v1.0.4 Class A)
Bluetooth	Bluetooth v5.1, setting via App
LoRaWAN Channel Plan	IN865/EU868/US915/AU915/AS923/ KR920/RU864
Temperature	Range: -20 to 60℃ ; Accuracy: ± 1℃ Resolution: 0.1℃
Light	0 to 100% (0 is dark, 100% is brightest)
3-Axis Accelerometer	3-Axis Accelerometer to detect movement
LED and Buzzer	1*LED and 1* buzzer to indicate status
Button	1*Button to operate and trigger events(SOS)
Antenna	Internal (GNSS/LoRa/Wi-Fi/BLE)
Communication Distance	2 to 10km (depending on gateway antenna, installation, and environments)
IP Rating	IP65
Dimensions	85 x 55 x 6.5 mm
Device Weight	32g
Operating Temperature	-20℃ to +60℃
Operating Humidity	5% - 95% (No condensation)
Certification	CE /FCC /TELEC /RoHS /REACH
Location	
GNSS Constellation	GPS/GLONASS/Galileo/ BeiDou/QZSS
GNSS Sensitivity	-145dBm cold start / -160 dBm Tracking
GNSS Location Accuracy	~1m CEP, GPS, -130dBm
Wi-Fi Positioning	Passive scanning, uploads the scanned 4 MAC addresses
Bluetooth Positioning	uploads the scanned 3 best signal MAC addresses of Beacon
Data Cache	Cache 1000 data when there is no LoRaWAN network
Battery	
Battey Capacity	Rechargeable lithium battery, 700mAh
*Battery Life Estimates	4 months on a single charge(uplink every 1 hour, only GNSS data)
Battery Life Monitoring	Periodic uplink battery level
Charge Cable (Adapter not included)	USB magnetic charging cable, 1 meter

Power Input Voltage	4.7 to 5.5V DC
Charging Temperature	0 to +45℃ (Beyond the temperature range, the charge will be limited, and the LED will blink quickly)
Software	
Work Mode	Standby: only heartbeat uplink; Periodic: upload location in intervals; Event: modify the interval by temperature, light and motion(start, end, shock, motionless timeout);
Data Storage	Over 1000 location data records store on the device when there is no LoRaWAN® coverage
App	Configuration via Bluetooth App

Hardware Overview





Applications

- **Keep connected to people and things:** T1000 is truly a locator that keeps you connected to the people and things most important to you. Whether they're in a building, spread across a campus, dotted around a city, or placed in the wild, the T1000 has got you covered!
- **Your bag, motorbike, personal belongings? Sure!**

Part List

Tracker	x1
USB Cable (Adapter not included)	x1
Quick Start	x1

Compliance & Logistics

HSCODE	9031809090
USHSCODE	8517180050
UPC	
EUHSCODE	9013101000
COO	CHINA

FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

15.21

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy.

If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Resource Links

- https://www.seeedstudio.com/SenseCAP-Card-Tracker-T1000-A-p-5697.html
- Tracker T1000 Datasheet
- Tracker T1000-A/B User Guide
- Tracker Battery Life Calculator
- SenseCAP T1000 3D Printing Charging Station Files by Alberto Gorni
- IP65 Test Report
- CE Certification
- FCC Certification
- TELEC Certification
- RoHS Certification

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