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INDUSTRIAL PRODUCT DATASHEET

SenseCAP Card Tracker T1000-E for Meshtastic

SenseCAP Card Tracker T1000-E for Meshtastic: a card-sized GPS tracker for off-grid LoRa mesh communication, location sharing, asset tracking, and environmental monitoring.

SKU	UPDATED	PRICE
114993369	2026-10-16 01:02:58	$39.90(Excl. VAT)



Overview



SenseCAP Card Tracker T1000-E is a ready-to-use GPS tracker powered by the Meshtastic network, using low-power, long-range LoRa mesh networking to send messages and share location without cellular signal or internet access. Pair it with the Meshtastic mobile app for off-grid communication and location sharing during hiking, camping, emergency response, and other outdoor activities, as well as asset tracking and environmental monitoring.

Key Features

Special Deal：

- **Enjoy an automatic 10% off when you purchase any two or more devices from T1000-E (SKU：114993369)、Wio Tracker L1 series (SKUs:114993648, 114993649, 114993653, 114993654) and Solar Node series (SKUs: 114993633, 114993643).**
- **US Warehouse: Enjoy FREE UNIUNI shipping on orders under $50! (Excludes XIAO & Raspberry Pi series)**
- New customers please register in the navigation bar at the bottom of the website to receive a **$5 coupon**. The coupon will be in the email, please check for it.
- The $5 coupon and the discount cannot be used in combination, please select one on the checkout page.

SenseCAP T1000-E is a ready-to-use GPS tracker powered by the Meshtastic network, built for off-grid communication and location sharing.Using low-power, long-range LoRa mesh networking, it allows you to send messages and share location even without cellular signal or internet access. Simply pair it with the Meshtastic mobile app to stay connected during hiking, camping, emergency response, and other outdoor activities.

Want to know more about Meshtastic?

- **All You Need to Know About Meshtastic**
- **Explore Meshtastic**

If you are in an environment without mobile signal or internet connection, such as during hiking, camping, emergency rescue, or other outdoor activities, as long as you and your companions each have a T1000-E and are paired with your phones, you can communicate and locate each other using the **Meshtastic app**.

The T1000-E is the same size as a card and is only 6.5 mm thick, making it very portable.

The T1000-E comes with a **4-pin charging cable**.

- Charging
- Device Firmware Upgrade
- Log Viewing

Three carrying accessories for your SenseCAP T1000 Tracker:**Snap Hook**、**Adhesive Back Clip**、**Nylon Lanyard**

Other additional features

- **Multi-protocol support:** Featuring nRF52840 and LR1110, it supports LoRa (global ISM bands in the 863-928 MHz range). After purchasing the T1000-E, you can freely choose your region in the **Meshtastic app**. It also supports Bluetooth 5.0, Thread, and Zigbee, ensuring compatibility with a wide range of devices and networks.
- **Powerful Positioning Capabilities**: Integrated with the Mediatek's AG3335 GPS chip, it provides high-precision positioning services.
- **Expandable Interfaces**: Designed with four pogo pins, it supports USB interface for DFU (Device Firmware Upgrade), serial logging, and API interface, simplifying device management and debugging.
- **Open Source Support**: Compatible with the Meshtastic open-source mesh networking protocol, suitable for long-range and low-power communication needs.

Product Gallery















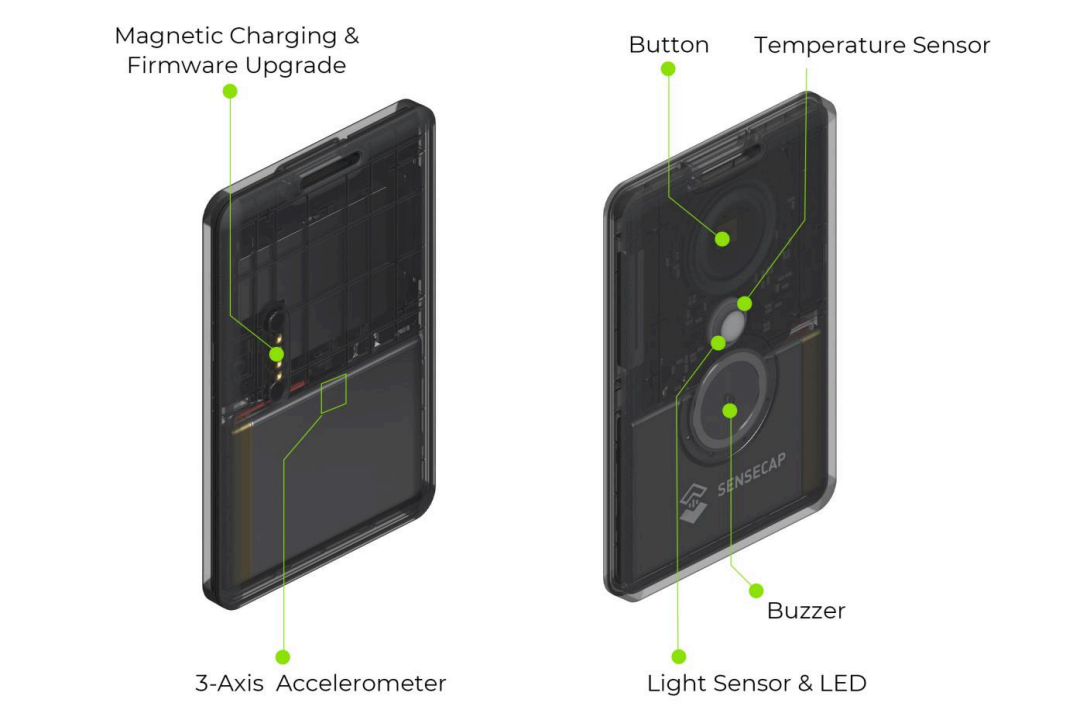




Specification

Network protocol	LoRa（Supports 863-928 MHz range）, Bluetooth v5.1
Temperature	Range: -20 to 60℃; Accuracy: ± 1℃ (min ±0.5℃, max ±1℃) Resolution: 0.1℃
Light	0 to 100% (0% is dark, 100% is brightest)
3-Axis Accelerometer	3-Axis Accelerometer to detect movement (Not currently used in the Meshtastic firmware)
LED and Buzzer	1*LED and 1* buzzer to indicate status
Button	1* Button to operate
Antenna	Internal (GNSS/LoRa/Wi-Fi/BLE)
Communication Distance	2 to 5km (depending on antenna, installation, and environments)
IP Rating	IP65
Dimensions	85 * 55 * 6.5 mm
Device Weight	32g
Operating Temperature	-20℃ to +60℃
Operating Humidity	5% - 95% (No condensation)
Certification	CE /FCC

Hardware Overview



Applications

- **Asset Tracking:** Track the movement and location of your assets and monitor environmental and moving conditions in real-time where the asset is located for better management.
- **Outdoor Adventure:** Use this ready to deploy Meshtastic device for off-grid communication with your hiking or camping group. The GPS can help track locations, while temperature and motion sensors can provide real-time environmental and movement data to ensure safety.
- **Environmental Monitoring:** Collect and transmit environmental data. Deploy the device in remote areas to monitor and log temperature and lightness over time, contributing to local weather data collection. Use the device to track and monitor environmental conditions in wildlife habitats, aiding in research and conservation efforts.

Part List

Tracker T1000-E	x1
USB Cable (Adapter not included)	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-E-for-Meshtastic-p-5913.html
- SenseCAP T1000 Tracker Datasheet
- T1000-E for Meshtastic Consumption Test and Battery Life Calculation
- SenseCAP T1000-E for Meshtastic Update: FAQs, and Debugging Tips
- All You Need to Know About Meshtastic

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