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INDUSTRIAL PRODUCT DATASHEET

SenseCAP Card Tracker T1000-E for MeshCore

It is a compact MeshCore device designed for off-grid communication and location sharing.

SKU	UPDATED	PRICE
100094307	2026-11-27 09:10:23	$39.90(Excl. VAT)



Overview



It is a compact MeshCore device designed for off-grid communication and location sharing. About the size of a credit card, it can be easily carried or attached to gear for outdoor use. Powered by Semtech's LR1110 LoRa transceiver (863–928 MHz), Nordic's nRF52840 processor, and the MediaTek AG3335 GNSS module, it enables reliable long-range LoRa communication and location updates within MeshCore networks.

Key Features

01 **Compatible with the MeshCore open-source mesh networking firmware, suitable for long-range and low-power communication needs. When you and your companions each carry a T1000-E paired with your phones, you can communicate and share locations directly through the app.**

02 **Built with low-power LoRa technology supporting the 863–928 MHz ISM band, Nordic nRF52840 processor, and MediaTek AG3335 GNSS module. It supports multi-constellation GNSS positioning, including GPS, GLONASS, Galileo, and BeiDou, for reliable outdoor location sharing without cellular coverage.**

03 **MeshCore uses cryptographically signed node advertisements and encrypted private messaging to help prevent identity spoofing and protect direct communication over the mesh network.**

04 **The same footprint as a credit card is just 6.5 mm thick and about 32 g, with an IP65 enclosure that stands up to dust and rain for everyday outdoor carry.**

05 **The T1000-E features a 700 mAh rechargeable lithium battery with battery-level monitoring. It uses magnetic pogo-pin charging to maintain the sealed enclosure design and supports multiple carrying accessories, including Snap Hook, Adhesive Back Clip, and Nylon Lanyard.**

Product Gallery

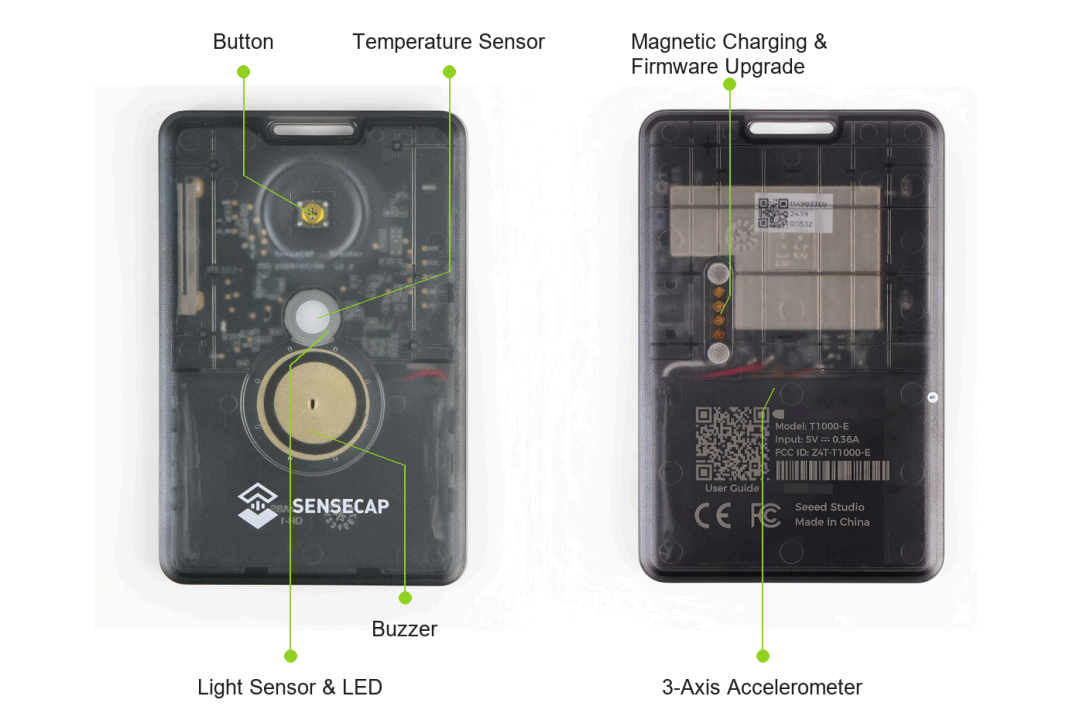








Hardware Overview



Applications

- **Connect with nearby nodes, participate in public channels, and share geographic locations — in all areas without cellular coverage.**
- **Recommended Use Cases::** Outdoor Adventure: Use this ready-to-use MeshCore device for off-grid communication with your hiking or camping group. The built-in GNSS module enables users to share location updates over compatible MeshCore networks. Location availability depends on satellite reception, device settings, and network conditions.
- **Festivals & Large Events: Stay connected with your group at races, festivals, and other large events when crowded venues make cellular service unreliable — no network infrastructure required.**
- **Disaster Response & Emergency Comms: Rely on dependable communication and location sharing in disaster zones and emergency areas where network infrastructure is unavailable, supporting response and relief coordination.**

Resource Links

- https://www.seeedstudio.com/SenseCAP-Card-Tracker-T1000-E-for-MeshCore-p-7048.html
- Datasheet

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