seeed studio

INDUSTRIAL PRODUCT DATASHEET

[10%off] Meshtastic Starter Kit, Ready-to-Use, Off-Grid, Instant Reliable Communication

The [10%off] Meshtastic Starter Kit delivers ready-to-use, off-grid, instant reliable communication with 10% off and duty-free US Direct Group Shipping.

SKU	UPDATED
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Overview



The [10%off] Meshtastic Starter Kit provides ready-to-use, off-grid, instant reliable communication through Meshtastic's open-source, decentralized LoRa mesh network, with 10% off automatically applied at checkout and duty-free US Direct Group Shipping from the China warehouse to the United States. It is suitable for team activities, smart tracking, extreme adventures, and critical missions including wildlife monitoring and professional rescue operations.

Key Features

Sales:

- **10% off is automatically applied at checkout.**
- **From China warehouse to the United States, choose "US Direct Group Shipping" to enjoy duty-free !**

What is Meshtastic?

Meshtastic® is an open-source communication system built on LoRa technology that enables decentralized mesh networks.Meshtastic devices (also called nodes) communicate directly with each other and can relay messages across the network to extend communication range. This allows users to stay connected even without cellular coverage or internet access, and without paying any monthly subscription fees.

How to Choose the Right Meshtastic Device

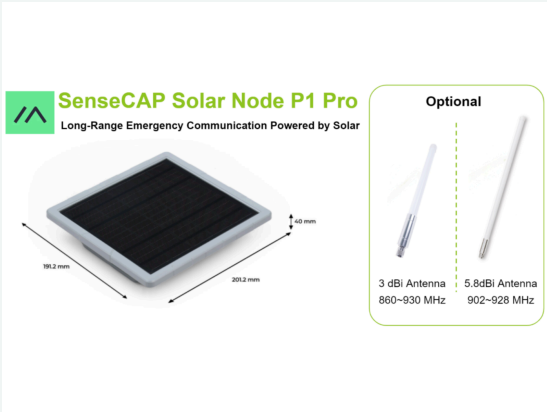
Core Selection: Choose Your Portable Nodes (Clients)

In most application scenarios, the Meshtastic LoRa node will be attached to moving people, objects or animals.

Product Gallery









Specification

SenseCAP Card Tracker T1000-E

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 5 km (depending on antenna, installation, and environment)
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
Battery Capacity	Rechargeable lithium battery, 700mAh
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 Limit	0 to +45℃

Hardware Overview







Applications

- **Team Activities:** Staying connected during group hikeing or other outdoor events.
- **Smart Tracking:** Track pets or companions outdoors.
- **Extreme Adventures:** Tracking in deserts or vast wilderness.
- **Critical Missions:** Wildlife monitoring and professional rescue operations.

Resource Links

- https://www.seeedstudio.com/Meshtastic-Starter-Kit-Ready-to-Use-Off-Grid-Instant-Reliable-Communication.html
- T1000-EBatteryLifeCalculation
- L1 ProBatteryLifeCalculation
- Solar Node Battery Life Calculation

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