

LoRaWAN™ GPS Tracker

Product Brief

Description

GF8945 is a low power consumption LoRa based GPS tracking device equipped with a rechargeable battery for asset tracking. Support LoRaWAN protocol or private protocol. Build in BLE chip allow GF8945 pairs with your smart phone , text and share GPS location among other GF8945 users through LoRa network.



Features

- **Communicate Via LoRa , no SIM card required**

Create a reliable backup communication network for use when cell service is down . communication range 6~15KM line-of-sight. 1~5KM in dense environment.

- **SOS , Geo-fencing**

With a simple press of the SOS button on the device, you can send an SOS signal in the case of an emergency. Support Geo-fencing on platform(LoRaWAN)

- **Build in BLE , Support Message and off-line Map**

Build in BLE chip allow Compass pairs with your smart phone(IOS and Android Compatible), transmit message and GPS location from device to device through Lora network.

- **Long Battery life**

The device transmit message at a configured frequency when activated, standby time more than 48hours . A notification is sent when the battery power falls below 20% .

- **Easy to install on any object**

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Parameters	Specification
Frequency Band	868~928MHz/ 470~510MHz , optional
Battery Specs	Build in recharge Li-ion battery,1300mAh
Battery Life	8 hours , standby time 40h
Operating Temperature	-20~65℃
Dimensions	100*33*20mm (Weight 80g)
Modulation	LoRa Modulation Patented by Semtech
Transmit Power	+27dBm
Bluetooth	BT 4.0
GPS positioning solution	REALTEK MG1009R,Sensitive down to -148dB
GPS accuracy	5~10Meters
Communication range	1~5KM in dense environment , 6~15KM LoS
Data upload rate	Customized

Application

- Outdoor Adventure: Stay connected in remote areas when cell service is down , share gps locations and send SOS if you get into trouble .
- Locate and track children, elderly and disabled people, prevent them from missing , send SOS in emergency.
- Group management: GF8945 allows you to keep track of all members of your group within the field in real time
- Asset tracking : GF8945 can be used to track pets , vehicle, fleet , parcels or bags .

