



# RT67







## LoRaWAN GPS Tracker

RT67 LoRaWAN GPS tracker is a rugged IP65 asset tracker for long-range monitoring. Combines GPS, LoRa & BLE for reliable positioning, features an 8,100mAh battery, tamper/vibration alerts, and <20  $\mu$ A sleep current for secure, low-maintenance asset & inventory management.



### Applications



- **5-Year Battery Life**  
8,100mAh disposable lithium-ion battery, 15-minute reporting interval for 5+ years.
- **Multi-Tech GPS+LoRa+BLE**  
Reliable positioning solution leveraging both satellite and terrestrial technologies.
- **Tramper Alert**  
Light & vibration sensors will report alerts for abnormal removal and vibration.
- **Temperature Monitor**  
Built-in temperature sensor monitors board temperature.
- **20  $\mu$ A Sleep Current**  
Draws <20  $\mu$ A in standby to extend battery life and lower routine maintenance.
- **IP65 Water & Dust Resistant**  
Rugged, reliable design for steady outdoor performance.

### GNSS

Positioning system	GPS, LoRa, BLE	
Frequency	GPS L1: 1575.42 MHz	
Positioning accuracy	5 m CEP	
Tracking sensitivity	-162 dBm	
Acquisition sensitivity	-148 dBm	
TTFF (open sky)	Avg. cold start $\leq$ 35 sec	Avg. hot start $\leq$ 2 sec

### LoRa

Frequency	902-928 MHz
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### Power

Battery	8100 mAh 3.6 V disposable lithium-ion battery	
Input voltage	3.6V DC	
Self-discharge rate	< 1% per year (storage temperature < +25°C)	
Operating current	Active < 50 mA	Sleep < 20 $\mu$ A
Working modes	Periodic/Clock/Week/Motion & Static/Bluetooth Scan/Warehouse/Tracking Mode	

### Interface

LED indication	LoRa (Red), GNSS (Green)
Bluetooth	BLE 5.1 (iBeacon & Gateway)
Data storage	128-packet offline storage capacity
Antenna	Internal high-gain GNSS & LoRa antenna
Tamper proof	Light sensor tamper alarm

### Physical specification

Dimensions	L126 x W67 x H22 mm
Weight	156g

### Operating environment

Temperature	Operating temperature: -30°C ~ +80°C	Storage temperature: -40°C ~ +85°C
Operating humidity	5% ~ 95% (no fog)	
IP rating	IP65	