



LT15D







4G Mini Magnets Tracker

LT15D 4G LTE asset tracker is a compact, magnetic-mount device for reliable asset monitoring. It combines GPS, LBS, and Wi-Fi for positioning over 4G Cat 1 networks. With a 4,200mAh battery, light-sensing tamper detection, and geo-fence alerts, it enables secure, long-term tracking.



Applications



- **3-Year Battery Life**
4,200mAh disposable Li-MnO₂ battery, with a once-daily reporting cycle for 3+ years.
- **Multi-Tech GPS+LBS+Wi-Fi**
Reliable positioning solution leveraging both satellite and terrestrial technologies.
- **4G LTE Network**
Communication via 4G Cat 1 networks.
- **Magnetic & Adhesive Mounting**
Strong magnets and 3M adhesives for secure attachment on various surfaces.
- **Light-Sensing Tamper Detection**
Automatically triggers an alert if exposed to light, preventing unauthorized removal.
- **Geo-fence Guard**
Configurable virtual zones to provide immediate notification of boundary crossing.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS	
Frequency	GPS L1: 1575.42 MHz	
Positioning accuracy	Less than 10 meters	
Sensitivity	Tracking sensitivity: -162 dBm	Acquisition sensitivity: -148 dBm
TTF (open sky)	Avg. cold start ≤ 35 sec	Avg. hot start ≤ 2 sec
Wi-Fi	2.4 GHz, used for indoors tracking	

Cellular

Communication network	4G Cat1	
Frequency	FDD LTE: B1, B2, B3, B4, B5, B7, B8, B28, B66	TDD LTE: B40

Power

Battery	4200 mAh 3.0 V disposable Li-MnO ₂ battery	
Input voltage	3.0V DC	
Operating current	Active < 100 mA	Sleep < 8 uA
Working modes	Periodic/Clock/Week/Warehouse/Tracking Mode	

Interface

LED indication	Cellular (Red), GNSS (Green)
Data storage	128-packet offline storage capacity
Antenna	Internal high-sensitivity GNSS ceramic antenna & 4G/Wi-Fi antenna
Tamper proof	Light sensor tamper alarm

Physical specification

Dimensions	L78 x W41.5 x H30.5 mm (with magnet)
Weight	100g (with magnet)

Operating environment

Temperature	Operating temperature: -20°C ~ +70°C	Storage temperature: -40°C ~ +85°C
Operating humidity	5% ~ 95%	
IP rating	IP54	

Certification