



# LT12

## 4G Container Tracker

LT12 series 4G container trackers are ultra-long-life, IP67 devices designed for continuous container and asset monitoring. Their form factor mimics a container air vent for discreet, secure installation. With high-capacity batteries enabling multi-year operation and reliable GPS & LBS positioning over 4G & 2G networks.



### Applications



- **Extended Battery Life**  
Years of use from smart modes and a built-in high-capacity battery.
- **GPS & LBS Positioning**  
Reliable positioning solution leveraging both satellite and terrestrial technologies.
- **4G & 2G Network**  
Different versions available for multiple regions.
- **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.
- **IP67 Water & Dust Resistant**  
Tough, reliable design for stable operation in demanding conditions.

### GNSS

Positioning system	GPS, LBS with AGPS	
Frequency	GPS L1: 1575.42MHz	
Positioning accuracy	<10 m CEP	
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	LTE Cat 1 + GSM		
Frequency	<b>LT12G (Asia)</b>		
	FDD LTE: B1, B3, B5, B8	TDD LTE: B34, B38, B39, B40, B41	GSM: 900, 1800 MHz
	<b>LT12GL (Global)</b>		
	FDD LTE: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28, B66		
	TDD LTE: B38, B39, B40, B41	GSM: 850, 900, 1800, 1900 MHz	

### Power

Battery	<b>LT12G:</b> 8100 mAh 3.6V lithium thionyl chloride battery <b>LT12GL:</b> 10800 mAh 3.6V lithium thionyl chloride battery	
Input voltage	3.6V DC	
Self-discharge rate	< 1% per year (storage temperature < +25°C)	
Operating current	Active < 100 mA	Sleep < 15 µA
Working modes	Periodic/Clock/Week/Motion & Static/Warehouse/Tracking Mode	

### Interface

LED indication	Cellular (Red), GNSS (Green)
SIM	Standard SIM
Data storage	1000-packet offline storage capacity
Antenna	Internal high-gain GNSS & Cellular antenna
Tamper proof	Light sensor tamper alarm

### Physical specification

Dimensions	L205 x W68 x H27 mm
Weight	222.4 g