



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



Container Tracking



Assets Tracking



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		
TTFF (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	LT12G (Asia)		
	FDD LTE: B1, B3, B5, B8	TDD LTE: B34, B38, B39, B40, B41	GSM: 900, 1800 MHz

LT12GL (Global)		
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	LT12G: 8100 mAh 3.6V lithium thionyl chloride battery
	LT12GL: 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

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Specifications, appearance and accessories subject to change without notice.