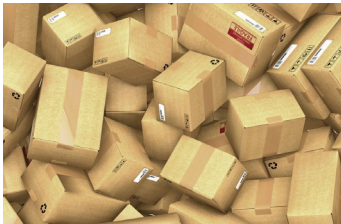**Jimi IoT**

LL309

Temperature and Humidity Monitoring Tracker

The LL309 is a 4G asset tracking device that goes beyond simple location. It uses GPS, BDS and LBS for pinpoint accuracy, ensuring your assets are always in sight. But the LL309 excels in environments demanding more. Its built-in temperature and humidity sensor constantly monitors conditions and instantly alerts you via the 4G network if readings deviate from the set range, potentially saving perishable goods. Even without connectivity, the LL309 boasts a massive 20,000-record internal memory to store location, temperature, and humidity data. This data can be easily exported for further analysis using the included Type-C cable, making the LL309 perfect for refrigerated trucks and parcels, as well as a wide range of other tracking needs.

Cold Chain Freight Protection

Delivery Package Tracking

Asset Tracking & Protection

Multi-Source Positioning
Leverage multiple positioning systems (GPS, BDS and LBS) for accurate real-time location tracking on the designated platform.

Environmental Monitoring
Built-in temperature and humidity sensor detects and alerts you when readings fall outside your preset limits.

Real-Time Data Reporting
Utilize LTE connectivity to upload location, temperature, and humidity readings instantly.

Local Data Storage
Store up to 20,000 data entries (including location, temperature, humidity, and alarms) for export via the included Type-C cable and cache an additional 5,000 data points (location, temperature, and humidity) collected in areas with no cellular signal.

Multiple Alerts
Receive instant notifications for device removal, abnormal temperature/humidity, and other critical events on your designated platform or preset phone number.

Bluetooth Configuration
Configure device settings directly through the Jimi IoT Lab app (iOS) using Bluetooth.

IP67 Dust & Water Resistance
High IP-rated casing ensures continued optimal performance in harsh environments.

Standard Configuration

Positioning & Location

Technology	GPS, BDS, LBS
Accuracy	< 2.5m CEP
Tracking sensitivity	−148 dBm
Acquisition sensitivity	−168 dBm
TTFF (open sky)	Avg. hot start ≤1sec；Avg. cold start ≤32sec

Cellular

Technology	LTE Cat. 1
Frequency	LL309 LTE-FDD: B2/B4/B5/B7/B12/B14/B17/B25/B26/B66 LTE-TDD: B41

Power

Battery	2500mAh Li-Po battery (rechargeable)
Working modes	Mode 1: Timing Mode Mode 2: Intelligent Mode Mode 3: Power-saving Mode
Battery life	30 days (one update per hour)

Operating environment

Operating temperature	−20℃ to +70℃
Operating humidity	0% to 100%
IP rating	IP67

Interface

LED indication	GNSS (Blue), Battery (White), Cellular (Green)
SIM	Nano-SIM
Memory capacity	20,000 data entries (for export); 5000 data entries (buffer)
Tamper proof	Light sensor
USB	Type-C
GNSS antenna	Internal
Bluetooth antenna	Internal

Feature

Voice monitoring range	N/A
Sensors	Light sensor, Temperature and humidity sensor
Scenarios	Tamper alert, Temperature & humidity exception alerts, Vibrating alert, Low battery alert
Mount method	Wall hooks
Bluetooth	BLE 5.1
RFID	N/A
Configuration support	SMS, Tracksolid Pro, PC Tools, Jimi IoT Lab
Certification	FCC

Physical specification

Dimensions	100 × 60 × 15mm
Weight	108g

Standard Packing

LL309 unit	1
Type-C cable	1
Adhesive wall hooks	2

Optional Configuration*

N/A

*Optional Configuration required to be customized or purchased separately.