JimiIoT

LL705
4G Wireless Asset Tracker

The LL705 is a 4G wireless GPS tracker, engineered specifically for monitoring high-value assets such as construction and mining equipment. Its powerful 18,000mAh internal battery enables the device to operate up to a decade, given the most energy-efficient settings. This makes it ideal for scenarios needing extended service life and infrequent location updates. The LL705 can accurately identify the location of your assets through GPS+BDS satellite systems, cell towers, or Bluetooth signals. Additionally, it provides installation flexibility, allowing customization with mounting accessories of your choice, such as screws, an internal magnet, 3M double-sided adhesive tape, or cable ties.

Container Tracking

Construction Equipment Management

Mining Equipment Management

Trailer Tracking

LTE Cat 1 Network
Stable communication via IoT-specific 4G LTE networks, with 2G fallback.

GPS & BDS & LBS & BLE Positioning
A synergy of multiple positioning systems ensures that locations are accurately displayed on the cloud platform.

18,000mAh Battery
High-capacity battery supports the device to operate as long as 10 years.

IP67 Dust & Water Resistance
Rugged design ensures continued optimal performance, even in the toughest conditions.

Tamper Alert
Receive a tamper alert when the light sensor of the device detects any change in ambient light, which can be disabled via a command.

Low Battery Alert
Users will be alerted when the remaining battery power of the device falls below 20%.

Flexible Installation
The device can be installed via the standard configuration - screws or via an optional configuration - the inbuilt magnet, 3M double-sided adhesive tape, or cable ties.

Multiple Working Modes
Configurable working modes according to your actual demands.

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Standard Configuration

Positioning & Location

Technology	GPS, BDS, LBS
Accuracy	<2.5m CEP
Tracking sensitivity	−165dBm
Acquisition sensitivity	−148dBm
TTFF (open sky)	Avg. hot start ≤1sec ; Avg. cold start ≤32sec

Cellular

Technology	LTE Cat 1, GSM
Frequency	LL705(E) LTE-FDD: B1/B3/B5/B7/B8/B20/B28 LTE-TDD: B38/B40/B41 GSM: B2/B3/B5/B8 LL705(GL) LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B17/B18 /B19/B20/B25/B26/B28/B66 LTE-TDD: B38/B40/B41 GSM: B2/B3/B5/B8

Power

Battery	18,000mAh Li-SOCl2 battery string (disposable)
Working modes	Mode 1: Tracking mode Mode 2: Timing mode Mode 3: Alarm-based mode Mode 4: Time period mode
Battery life	8 days to 10 years

Interface

LED indication	Power (green)
SIM	Nano-SIM
Memory capacity	1000 GPS data entries
Tamper proof	Light sensor
USB	N/A
GNSS antenna	Internal
Bluetooth antenna	Internal

Feature

Voice monitoring range	N/A
Sensors	Accelerometer, Light sensor
Scenarios	Low battery alert, Tamper alert, Vibrating alert, Geo-fence entry & exit alert
Bluetooth	BLE 4.2
RFID	N/A
Mount method	Magnet or screws
Configuration support	SMS, Online command, App
Certification	CE

Operating environment

Operating temperature	−20℃ to +60℃
Operating humidity	5% to 95%, non-condensing
IP rating	IP67

Physical specification

Dimensions	120.0 x 68.0 x 43.5mm
Weight	289.0g

Standard Packing

LL705 unit	1
Screwdriver	1

Optional Configuration*

Bluetooth sensor	K7800 environmental sensor

*Optional Configuration required to be customized or purchased separately.