Jimi IoT

LL701
Asset Management Terminal

The LL701 is a Long-Standby Asset Tracker designed for the management of heavy-duty vehicles such as heavy trucks and construction vehicles. Using the CR123A battery allows for more availability and better portability, and the replaceable battery design can help fleet managers effectively reduce fleet maintenance costs. Depending on reporting frequency, its low consumption can provide up to 5 years of working time on 3 batteries, while it also supports an external power supply for longer working life. In addition to these features, the IP67 waterproof rating and the suite of event-triggered alerts will make the LL701 a perfect solution for non-real-time tracking of heavy-duty vehicles, goods and other assets.

GNSS CELL

Trailer Tracking

Construction Machinery

Fleet Management

Ultra-Long Standby
Low location reporting frequency allows for up to 5-year standby.

Tamper Alert
Receive a tamper alert when the light sensor detects device removal.

Replaceable Battery
CR123A battery offers the user much better portability and ease of installation.

Movement Detection
Send instant notifications to the driver or fleet manager when the device detects that the status of the asset under tracking changes from stationary to moving (vice versa).

Unpacking Alert
Light sensor will be triggered and send an alert when the package has been unpacked.

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

Bluetooth Configuration
Fast and simple device configuration via app for iOS.

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

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Standard Configuration

Positioning & Location

Technology	GPS, QZSS, LBS (optional)
Accuracy	<2.5m CEP
Tracking sensitivity	−155dBm
Acquisition sensitivity	−145.5 dBm (cold); −147.0 dBm (hot)
TTFF (open sky)	Avg. hot start ≤1sec ; Avg. cold start ≤36sec

Cellular

Technology	LTE-M Cat M1 & NB1 & NB2
Frequency	Cat M1: B1/B2/B3/B4/B5/B8/B12/B13/B14/B18/B19/B20/B25/B26/B28/B66 Cat NB1 & NB2: B1/B2/B3/B4/B5/B8/B12/B13/B17/B19/B20/B25/B26/B28/B66

Power

Battery	CR123A Lithium battery (disposable)
Working modes	Mode 1: Recycling mode Mode 2: Power-saving mode Mode 3: Tracking mode Mode 4: Intelligent mode
Battery life	7 days to 5 years

Operating environment

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

Interface

LED indication	GNSS (Blue), Cellular (Green), Power (Red)
SIM	Micro-SIM
Memory capacity	100 GPS data entries
Tamper proof	Light sensor
USB	Type-C
GNSS antenna	Internal
Bluetooth antenna	Internal

Feature

Voice monitoring range	N/A
Sensors	Accelerometer, 2*Light sensors
Scenarios	Tamper alert, Low battery alert, Geo-fence entry & exit alert, Unpacking alert
Bluetooth	BLE 5.0
RFID	N/A
Geo-fence	GNSS, Bluetooth
Mount method	Magnet, screws, cable ties, or double-sided adhesive tape
Configuration support	APP, Tracksolid Pro, PC Tools, SMS
Certification	CE, FCC, PTCRB

Physical specification

Dimensions	110.2 x 53.0 x 34.5mm
Weight	84.8g (battery excluded)

Standard Packing

LL701 unit	1
Magnetic base	1
Double-sided adhesive	1

Optional Configuration*

K0901 IP68 waterproof casing
Adapter
Debug cable
Charging cable

*Optional Configuration required to be customized or purchased separately.