



# 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.



### Ultra-Long Standby

Low location reporting frequency allows for standby times up to 5 years.



### 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.



### External Power supported

Extend working life to make it suitable for more deployments in different industries.



### 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.

Trailer Tracking



Construction Machinery



Fleet Management



## GNSS

Positioning system	GPS+QZSS, LBS assisted (optional)
Frequency	L1
Positioning 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

Communication network	LTE-M Cat-M1 & NB/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
Working modes	Mode 2: Power-saving mode Mode 3: Regular GPS mode Mode 4: Intelligent positioning mode
Standby time	Up to 5 years (one GPS fix per day)

## Interface

LED indication	GNSS (Blue), Cellular (Green), Power (Red)
SIM	Micro-SIM
Tamper proof	Light sensor

## Physical specification

Dimensions	110.2 x 53.0 x 34.5mm
Weight	84.8g (without battery)

## Operating environment

Operating temperature	-20 C to +60 C
IP rating	IP67

## Feature

Sensors	Light sensor, accelerometer
Bluetooth	Support BLE 5.0 protocol
Geo-fence	GNSS/Wi-Fi/Bluetooth
Scenarios	Tamper alert, Installation alert, Geo-fence entry/exit alert, Unpacking alert