

# GT117U

## LTE Advanced Tracker



LTE Cat.M1	GNSS	2xHS-CAN	Security
Different Modules for Different Regions	Support Multi-Constellation GNSS	Double CAN Channels for Enhanced OEM PID Reading	Enhanced Encryption Algorithm
Functions	eSIM	Multiple Sensors	BLE
Remote Trip Tracking and Vehicle State Monitoring	eSIM Optional	Built-in 3-axis G-sensor and 3-axis Gyro	Support BLE Accessories



Cold Chain Logistics



Fleet Management



Transportation Management

**GT117U** LTE Advanced Tracker provide variety of external interfaces, including RS232/RS485, 1-wire, CAN BUS and other I/O. With built-in sensor and standalone GNSS chipset, GT117U LTE advanced tracker can monitor driver behavior, towing and support to track the vehicle in real time.

GT117U can be expanded to many applications, such as Cold Chain logistics, Fleet Management, Transportation Management etc.



## General Features

Dimension 103.2×70.8×17.8mm

Weight About 100g

## Operating Environment

Operating Temperature -30°C ~ 75°C

Storage Temperature -40°C ~ 85°C

Humidity 5%~95% RH

## Physical Interface

ACC	1
Digital Input	3
Analog Input	1
Digital Output	3
Digital Output	1 open drain with 150mA max driver current
I/O	1 can be configured as 0~32V analog input or an open drain output with 150mA max driver current
RS-485	1
RS-232	1
HS-CAN	2
1-Wire	1
GNSS Antenna	Optional external GNSS antenna with FAKRA interface
USB	2.0 Type C
LED	GNSS/Cell/Power
SIM	4FF or eSIM

## Network & Connectivity

North America Version

**LTE Cat.M1:** B2, B4, B5, B12, B13, B25, B26, B66

## Data Transfer

Cat.M1

Max 588kbps(DL)/Max 1119kbps(UL)

## Transmit Power

LTE

Power class 5 for North America Version

## GNSS

GNSS	GPS, GLONASS, Galileo, BeiDou, SBAS and QZSS
Sensitivity	-162dBm
Accuracy	<1.5m@CEP50
Hot Start	<1s
Cold Start	<28s

## BLE

Specification 5.3

Support Accessories TPMS, Temperature and Humidity sensor, BLE Tag

## Functions

Location	GNSS/A-GPS(optional)/LBS
Time Synchronization	GNSS/NTP
Sensors	Built-in 3-axis G-sensor and 3-axis gyro. Used for motion detection, crash detection
CAN	2 HS-CAN channels. Used for vehicle data collection.
Ignition Detection	ACC/GNSS/Main power ADC/Engine RPM
Sleep Mode	Automatically enter sleep mode when IGN off
Configuration	Cloud/Cable/BLE
FW update	FOTA/Cable

## Power Supply

Voltage	8~32V
Battery Capacity	220mAh(Li-ion)

## CAUTION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### RF Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.