

GL110



Insurance
Telematic



Fleet
Management



Stolen Vehicle
Recovery

KEY FEATURES

- > 4G LTE and 2G FallBack
- > Stand-by Current < 80 uA
- > GNSS ,LBS and WIFI Indoor and outdoor Location
- > Support External BlueTooth Sensors
- > Supply Voltage 3.7V Rechargeable
- > Temperature,humidity,light,motion sensors
- > IP67 Rugged



INTRODUCTION

Designed by AOVX Assets Tracker Solutions , made in Malaysia and China . Ideally for fleet management , insurance and stolen car recovery . Multiple external BlueTooth sensors .

Features



4G Connectivity
2G FallBack



WiFi
Indoor Location



Bluetooth 5.0
External Sensors



SPECIFICATIONS

GENERAL

Network	4G CAT 1 + 2G fall back
Enclosure	ABS
Supply Voltage	3.7V Rechargeable
Firmware Upgrade	USB interface, OTA
Stand-by Current	≤80uA
Battery Life	2 Year @ 1 report per day

Global Deploy

Variant for Latin America	
GL100-LA (Cat 1)	LTE FDD: B2/B3/B4/B5/B7/B8/B28/B66 GSM: 850/900/1800/1900MHz

WIRELESS

Data Support	TCP , MQTT
BlueTooth	BLE 5.0
WIFI	2.4 Ghz
Platform	Wialon / Flespi / Traccar / RedGPS...

CONNECTOR

USB	× 1, Type-C
Cellular Antenna	Internal
GNSS Antenna	internal, GPS/GLONASS/BeiDou/QZSS
SIM Card	Nano SIM

ON BOARD

LED	× 2, Power Light, Status Light
Memory	16000 records@43 byte
3D Accelerometer	internal 3-axis accelerometer
Motion Sensor	Gravity Measurement Range: ±2g/±4g/±8g/±16g ODR Bandwidths: 25Hz
Light Sensor	Measuring Range: 1~ 1000 (adjustable levels)

PHYSICAL

Dimensions	123*68*11mm
Weight	106 g

POSITIONING

Location Technology	GPS Engine GPS - L1 C/A、GLONASS-L1、 QZSS- L1 C/A
Concurrent GNSS	GPS+GLONASS (Default)
Update Rate	1 Hz
Channels	32
Tracking sensitivity	Acquisition:-147dBm Reacquisition:-162dBm Tracking:-161dBm
TTFF @-130dBm without EASY™	Cold Start: <30s; Hot Start: <2s
Reacquisition	<1 S
Assisted GPS	Supported
Location	GNSS / Cell ID / WIFI

Horizontal Position Accuracy @50%, static 24 hours, -130 dBm, more than 6 satellites.	Autonomous: <2.5m CEP
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ELECTRICAL

Hardware Protection	Anti-Reverse For Power Supply ESD Surge Over Voltage
Power Average Consumption	<80uA (Sleep) <80mA (Active)
Backup Battery	3000mAh(Li-ion Polymer Battery, USB 5.0 V charging)
Operating Temperature and Humidity sensor	Humidity Measurement Accuracy: ±3% RH@+10°C ~ +70°C Temperature Measurement Accuracy: ±0.5°C , -20°C ~ +65°C

FCC warning statements:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.