

# MX110



Assets



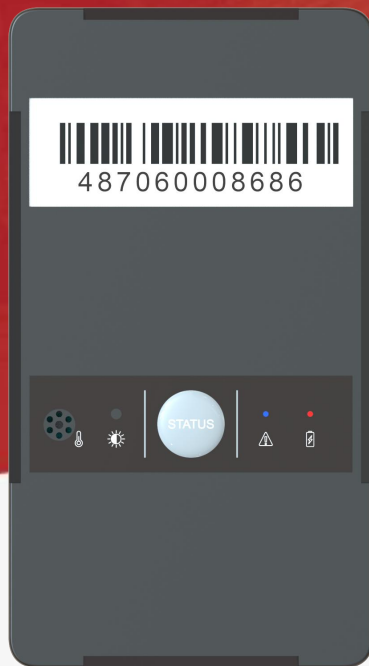
Logistics



Cold Chain

## KEY FEATURES

- > 4G LTE and 2G FallBack
- > Portable 11mm Ultra Thin
- > LBS and WIFI Indoor and GPS Location
- > Support External BlueTooth Sensors
- > Rechargeable Battery
- > Temperature, humidity, light, motion sensors
- > IP67 WaterProof



## INTRODUCTION

Ideally for assets management , real time temperature logger with multiple sensors to monitor motion , shock , door open .

## Features



4G Connectivity  
2G FallBack



WiFi  
Indoor Location



Bluetooth 5.0  
External Sensors



Easy to  
Install



Rechargeable  
Battery

# SPECIFICATIONS

## GENERAL

Network	4G CAT 1 + 2G
Enclosure	ABS
Power Supply	3.7V Rechargeable
Firmware Upgrade	USB interface, OTA
Battery Life	60 Days @ Every 1 hour report

## Global Deploy

Variant for EMEA	
MX100-E	LTE FDD: B1/B3/B5/B7/B8/B20 GSM: 850/900/1800/1900MHz
Variant for America	
MX100-A	LTE FDD: B2/B3/B4/B5/B7/B8/B28/B66 GSM: 850/900/1800/1900MHz

## WIRELESS

Data Support	TCP
BlueTooth	BLE 5.0
WIFI	Scan Only
Platform	Traccar / GPSWox / Wialon / Flespi...

## 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
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	108 g

## POSITIONING

Location Technology	GPS Engine GPS - L1 C/A、GLONASS-L1、 BDS- B1I 、QZSS- L1 C/A
Concurrent GNSS	GPS+GLONASS (Default)
Update Rate	1 Hz
Channels	32
Tracking sensitivity	Acquisition:-147dBm Reacquisition:-162dBm Tracking:-161dBm
TTF @-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

## ELECTRICAL

Protection	Over Charge Over Discharge
Power Average Consumption	<60uA ( Sleep) <80mA (Active)
Backup Battery	2500mAh(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