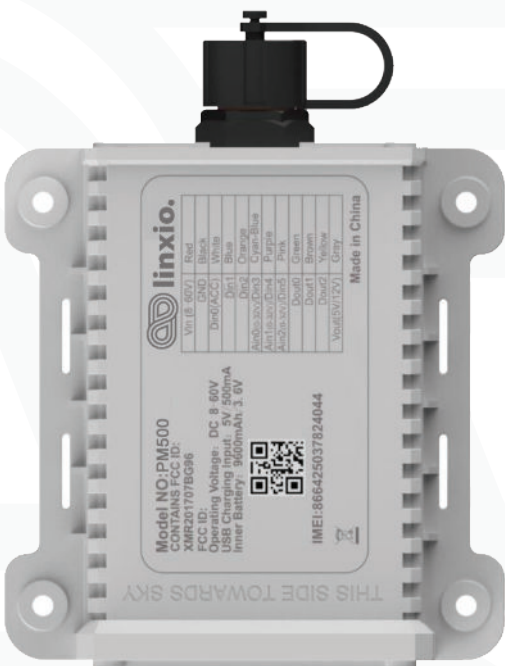


LTE & GSM PM500

PROFESSIONAL HARDWIRED TRACKER

LTE & GSM PM500 allow customers to tailor your unique fleet management solutions. Powerful battery and I/O ports can deal with any condition easily.

LTE Cat-M1(eMTC)/Cat-NB1-IoT) and GSM assets tracking devices for wide ranging applications.



255g



106mm × 100mm × 32mm



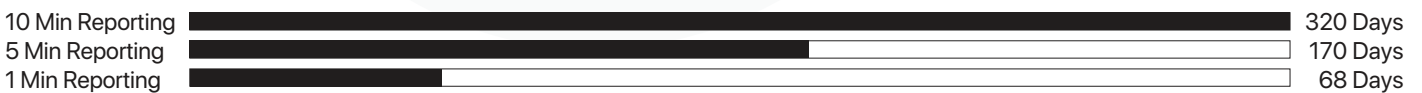
-25°C ~ +70°C



Rechargeable Li 9600 mAh/3.6V

- 01 Compact Size
- 02 Easy Installation
- 03 Waterproof
- 04 Firmware Over the Air
- 05 Driver Behavior Monitoring
- 06 Motion Detection
- 07 BLE 5.0 (Full set wireless sensor solution)
- 08 Removal Alert
- 09 Data Security (MDS/AES)
- 10 MQTT Support

Standby Time
(2 hours active tracking per day without charging)



Trailer Tracking



Container Tracking



Freight Transport



Specification

LTE & GSM PM500

Network/Operating Band

Operating Band	FDD: B1/B2/B3/B4/B5/B8/B12/B13/B17/B18/B19/B20/B25/B28 TDD: B39 (Cat M1 only)
Data Transmission	EGPRS 850/900/1800/1900MHz eMTC: Max. 300Kbps (DL), Max. 375Kbps (UL) NB1: Max. 32Kbps (DL), Max. 70Kbps (UL) EDGE: Max. 296Kbps (DL), Max. 236.8Kbps (UL) GPRS: Max. 107Kbps (DL), Max. 85.6Kbps (UL)

GNSS Specification

GNSS Chipset	Qualcomm Gen 8C GNSS receiver
Parallel GNSS	GPS+Glonass+Galileo+Beidou
Receiver Type	33 tracking / 99 acquisitions- channel GNSS receiver
Sensitivity	Cold start: -149 dBm Tracking: -163 dBm
Position Accuracy (CEP)	Autonomous < 2m
Standalone TTFF	Cold start: < 29s Warm start: < 27s Hot start: < 1s

Interfaces

Digital Input	3
Digital Output	3
Configurable Input (Digital/Analog)	3
Voltage Output (DC 5V/12V)	1
Charging and Data Transmission	4 Pin port with magnet
Network, GNSS Antenna	Internal only
Indicator LED	Network, GNSS and Battery level
FOTA	Yes
Light Sensor	1 back light sensor
Temperature Sensor	1 temperature sensor
BLE 5.0	Yes

General Specification

Waterproof	IP67
Dimensions	106mm*100mm*32mm
Weight	255g
Battery	Rechargeable Li 9600 mAh/ 3.6V
Standby Time	Without reporting: 2800 hours (120 Days) 5 Minutes reporting: 500 hours (20 Days)
Data Communication	Magnetic USB cable (recommend using 5V 1A adaptor, 20 hours charging)
Operating Temperature	-25°C ~ +70°C (-13°F ~ 158°F)
Mounting	Magnet/Screw

Air Interface Protocol

Transmit Protocol	TCP, UDP, MQTT, SMS
Protocol Check & Encryption Support	MD5/ AES256
Scheduled Timing Report	Report position and status at preset intervals
External Power Status Alarm	Report when external power is disconnected
Low Power Alarm	Report when backup battery is low
Remote Control	Remote output control
Removal Alarm	Sending alarm when the light sensor detecting light changing