Jimi IoT

PL601
LTE Portable GNSS Tracker

The PL601 is a compact, portable personal tracker designed to safeguard children and the elderly. It supports GNSS, Wi-Fi, and LBS positioning, and features 4G Cat 1 connectivity, two-way communication, panic button, geo-fence and route playback, providing comprehensive real-time protection. Additionally, the device is ideal for item and pet tracking, making it a versatile solution for a wide range of needs.

Personal Safety

Pet Tracking

Package Tracking

4G Communication
The 4G Cat 1 network offers broad coverage and real-time connectivity, allowing remote monitoring of device status and setting adjustments via the app.

Accurate and Intelligent Positioning
Supports GNSS, Wi-Fi, and LBS positioning with AGPS assistance, enabling smart switching of methods based on movement and environment for fast and accurate positioning both indoors and outdoors. Movement history can be saved and reviewed anytime via the app.

Multiple Working Modes
Supports timing and intelligent modes, allowing for customizable settings based on specific needs.

Two-Way HD Audio Communication
The device features a high-sensitivity microphone and loudspeaker for clear two-way HD audio communication, enabling easy contact with family anytime, anywhere.

Panic Button
Press the panic button to send an immediate alert and real-time location for emergency assistance.

Multiple Alerts
Instant alerts for SOS, geo-fence entry/exit, low battery, power on/off and abnormal noise.

Compact and Portable Design
The device is lightweight and compact, with a lanyard accessory for easy carrying.

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Standard Configuration

Positioning & Location

Technology	GPS, DBS
Accuracy	＜2m CEP50
Tracking sensitivity	−165dBm
Acquisition sensitivity	−159dBm
TTFF (open sky)	Avg. hot start ≤1sec；Avg. cold start ≤26sec

Cellular

Technology	LTE Cat 1
Frequency	PL601_LA: LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28/B66 GSM: 850/900/1800/1900 LTE-FDD: B2/B4/B5/B7/B12/B14/B17/B25/B26/B66 LTE-TDD: B41 PL601_EA: LTE-FDD: B1/B3/B7/B8/B20/B28 LTE-TDD: B34/B38/B39/B40/B41 GSM: 900/1800

Power

Battery	650mAh/3.8V industrial-grade Li-Polymer battery (disposable)
Working modes	Intelligent mode Timing mode
Battery life	Up to 4 days in intelligent mode, 2 hours moving per day (update every 60s)

Interface

LED indication	Tri-color LED for power, cellular, and GNSS
SIM	Nano-SIM
Memory capacity	1000 GPS data entries
Button	1 button for SOS, power on/off, and more
USB	Type-C (for charging)
GNSS antenna	Internal
Bluetooth antenna	Internal

Feature

Voice monitoring range	3m
Sensors	Accelerometer, Barometer (optional)
Scenarios	SOS alert, Geo-fence entry/exit alert, Abnormal noise alert, Low battery alert, Power on/off alert
Mount method	Lanyard, back clip
Bluetooth	BLE 5.0
RFID	N/A
Configuration support	Bluetooth
Certification	CE, FCC

Operating environment

Operating temperature	−20℃ to +70℃
Operating humidity	5% to 95%, non-condensing
IP rating	IP65

Physical specification

Dimensions	45.0 x 45.0 x 17.0mm
Weight	33g

Standard Packing

USB cable	1
Lanyard	1

Optional Configuration*

Charger	5V/1A
Back clip	
Barometer	To measure altitude
SIM	eSIM