



LTE Portable GNSS Tracker

COMPACT RETAIL TRACKER

PRODUCT DESCRIPTION

The Compact Retail Tracker 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.



APPLICATIONS

- Personal Safety
- Pet Tracking
- Package Tracking

FEATURES

- 4G Communication
- Accurate and Intelligent Positioning
- Multiple Working Modes
- Two-Way HD Audio Communication
- Panic Button
- Multiple Integrated Alarms
- Compact and Portable Design

TECHNICAL DATA

POSITIONING & LOCATION

Technology	GPS, BDS
Accuracy	<2.0m CEP50
Tracking Sensitivity	-165dBm
Acquisition Sensitivity	-148dBm
TIFF (open sky)	Avg. hot start < 1sec; Avg. cold start <26sec

CELLULAR

Technology	LTE Cat 1
Frequency	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28/B66 GSM: 850 / 900 / 1800 / 1900

POWER

Battery	650mAh / 3.8V Industrial-Grade Li-Polymer Battery (Rechargeable)
Working Modes	Intelligent Mode Timing Mode
Battery Life	Up to 4 days in intelligent mode, 2hours moving per day (update every 60s)

OPERATING ENVIRONMENT

Operating Temperature	-20°C up to +70°C
Operating Humidity	5% up to 95%, non-condensing
IP Rating	IP65

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
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,

PHYSICAL SPECIFICATIONS

Dimensions	45.0 x 45.0 x 17.0mm
Weight	33g

ORDER CODES

VERSIONEN

Compact Retail Tracker

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IOT-TR-CE-AT-4105
