



Wireless Asset Tracker

ULTRA-LONGLIFE GPS TRACKER

PRODUCT DESCRIPTION

The Ultra-Longlife GPS Tracker is a 4G wireless GPS tracker engineered specifically for monitoring high-value assets such as construction and mining equipment. Its powerful 18,000mAh internal battery enables the device to operate up to a decade, given the most energy-efficient settings. This makes it ideal for scenarios needing extended service life and infrequent location updates.

The Ultra-Longlife GPS Tracker can accurately identify the location of your assets through GPS+BDS satellite systems, cell towers or Bluetooth signals. Additionally, it provides installation flexibility, allowing customization with mounting accessories of your choice, such as screws, an internal magnet, 3M double-sided adhesive tape, or cable ties.



APPLICATIONS

- Container Tracking
- Mining Equipment Management
- Trailer Tracking

FEATURES

- LTE Cat 1 Network
- GPS & BDS /& LBS & BLE Positioning
- 18.000mAh Battery
- IP67 Dust & Water Resistance
- Tamper Alert
- Low Battery Alert
- Flexible Installation
- Multiple Working Modes



TECHNICAL DATA

POSITIONING & LOCATION

Technology	GPS, BDS, LBS
Accuracy	<2.5m CEP
Tracking Sensitivity	-165dBm
Acquisition Sensitivity	-148dBm
TIFF (open sky)	Avg. hot start < 1sec; Avg. cold start <32sec

CELLULAR

Technology	LTE Cat M1, GSM
Frequency	LTE: FDD:B1/B3/B5/B7/B8/B20/B28 TDD:B33/B40/B41 GSM: B2/B3/B5/B8

POWER

Battery	18.000mAh Li-SOCL2 battery stiring (disposable)
Working Modes	Mode 1: Tracking Mode Mode 2: Timing Mode Mode 3: Alarm-based Mode Mode 4: Time Period Mode
Battery Life	8 days to 10 years

OPERATING ENVIRONMENT

Operating Temperature	-20°C up to +60°C
Operating Humidity	5% up to 95%, non-condensing
IP Rating	IP67

INTERFACE

LED Indication	Power (green)
SIM	Nano-SIM
Memory Capacity	1000 GPS Data Entries
Tamper Proof	Light Sensor
USB	N/A
GNSS Antenna	Internal
Bluetooth Antenna	Internal

FEATURE

Voice Menitoring Range	N/A
Sensors	Accelerometer, Light Sensor
Scenarios	Low battery Alert, Tamper Alert, Vibrating Alert, Geo-fence Entry & Exit Alert
Mount Method	Magnet or Screws
Bluetooth	BLE 4.2
RFID	N/A
Configuration Support	SMS, Online Command, App
Certification	CE

PHYSICAL SPECIFICATIONS

Dimensions	120 x 68 x 43,5mm
Weight	289g

ORDER CODES

VERSIONEN

Ultra-Longlife GPS Tracker	IOT-TR-CE-AT-4103
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