Wireless Asset Tracker

ULTRA-LONGLIFE GPS TRACKER



PRODUCT DESCRIPTION

The Ultra-Longlife GPS Tracker Is a 4G wireless GPS tracket engineered speclflcally for monitorlng 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**

iDTRONIC GmbH
Ludwig-Reichling-Straße 4
67059 Ludwigshafen
GERMANY

Phone:+49 (0)621 66 900 94-0
Mail: info@idtronic-group.com
Web: idtronic-group.com

Subject to change without notice.
©2026 iDTRONIC GmbH

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 EVIRONMENT	
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	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	ORDER CODES
Ultra-Longlife GPS Tracker	IOT-TR-CE-AT-4103

iDTRONIC GmbH
Ludwig-Reichling-Straße 4
67059 Ludwigshafen
GERMANY

Phone:+49 (0)621 66 900 94-0
Mail: info@idtronic-group.com
Web: idtronic-group.com

Subject to change without notice.
©2026 iDTRONIC GmbH