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GL521

Weatherproof, wireless rechargeable GPS tracker with up to 1 year of battery life

The GL521 is derived from the GL500 by supporting NB2 and adding Qi wireless charging and BLE. Customers love the battery-powered GL500, but wanted a rechargeable version for certain scenarios. This version was designed without impacting the waterproof and robust enclosure.

With a compact size, long battery life, and light sensors, the product is ideal for a wide range of monitoring applications such as equipment monitoring, supply chain logistics, cargo trucks, high-value static asset monitoring and more. The GL521 supports several mounting alternatives which use a unique clip on design to securely attach the device to any asset.

Use GL521 for...

- ✓ **Asset Monitoring**
- ✓ **Transportation Management**
- ✓ **Supply Chain Visibility**

Quick Specs

Weight	150g (5.29 oz) 170g (6.0 oz) (magnet-mounted version)
Operating Temperature	-4°F ~ +140°F
Dimensions	87 × 51 × 30mm 3.43" (L) × 2.01" (W) × 1.18" (H) 87 × 51 × 33.5mm 3.43" (L) × 2.01" (W) × 1.32" (H) (magnetic case mounting version)
Battery Type	Li-Polymer 3.7V/2400 mAH
Battery Life	1 year (1 report / day) 3 months (10 min. updates)

Key Features

- Rapid & Covert Installation
- Geofences
- Automatic Mode Switching
- 1 Year Battery Life
- IP67 Waterproof
- Vibration Feedback
- Tamper Detection
- Supports Wireless Charging
- Personnel Tracking
- Motion Detection
- Low Power Alarm
- Magnetic Mounting (Optional)
- OTA Control
- Wakeup Report
- Scheduled Timing Report

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Appearance

Status LED
GPS LED
Light Sensor
Power Button

Front

2.00 in.

2.54 in.

Light Sensor

Back

Optional Magnet Holder

Interfaces

Power Button	Used for power on/off and working status checking
LTE Antenna	Internal only
GNSS Antenna	Internal only
LED Indicators	Internal only

Air Interface Protocol

Command Set	@Track protocol command
Transmit Protocol	TCP, UPD, SMS
Working Modes	Power saving mode for long battery life Continuous mode for real-time tracking
Scheduled Timing Report	Report position and status at preset time intervals
Geofences	Receive notifications when trackers enter or exit designated areas
Low Power Alarm	Alarm when internal battery is low
Wakeup Report	Report when the device wakes up
Motion Detection	Motion detection based on internal 3-axis accelerometer
Reporting Frequency Adjustment	Intelligent adjustment of reporting frequency

Accessories

Wireless Charger Accessories Kit

The kit includes USB Type-C cable (USB-C to USB-A), USB-A charger and wireless charging pad. It's used for device charging.
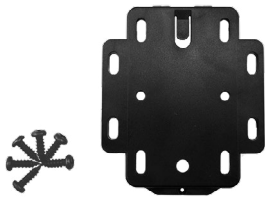
Parts list:
- GL501_Type-C USB cable (Cable Length: 100cm / Color: black / Connector Type: USB-A, USB Type-C)
- GL501MG_USB charger (Model: RCL-U050100C / AC:100-240V / DC:5V-1A / Color: black)
- GL501MG_Wireless charger (Model: RCL-WXC5WF / Input: 5V~1A / Output: 5V-800~1000mA)

GL500M Magnetic Mounting Bracket

Used for magnetic installation mounting of GL500MG and GL501MG products.

GL500M Mounting Bracket

Used for mounting GL500MG and GL501MG products.

5-in-1 Wireless Charger Kit

The 5-in-1 wireless charger kit enables wireless charging of five compatible GL501MG products at the same time.

Parts list:
- GL501MG 5-in-1 adapter
- Wireless charging plate (excluding station)
- Wireless charging station (Magnetic) × 5
- Charging pad × 5