

GL300A

Ultra-long Standby Time Tracking Device

- 📶 **No Installation Required**
- 📶 **Waterproof IP65 Compliant**
- 📶 **Bigger Size Allows Longer Battery Life than GL300**
10-day Standby Time by 1 Minute Reporting and locate every 20 seconds (GPS on)
65-day Standby Time by 5 Minute Reporting (GL300 Standby for 5 Days)
- 📶 **Embedded Sensors**
2 Light Sensors for Removal Alarm and Environment Monitoring
1 Temperature/ Humidity Sensor for Environment Monitoring



The GPS locator GL300A is a perfect fit for monitoring multitude temporarily-dispatched, outsourced vehicles and containers in logistics industry. It boasts ultra-long standby time with large-capacity internal battery and low power consumption. Its power button is pressed for direct usage, while no installation is required at all. GL300A also functions to monitor the real-time environmental status as it is designed compatible to high-accuracy temperature and humidity sensor and optical sensors. The embedded @Track protocol supports abundant reports and allows GL300A to be easily incorporated into existing tracking systems by integrators.



Advantages

- Quad band: 850/900/1800/1900 MHz
- Embedded @Track protocol
- Internal GSM/GPS antennas
- External GPS antenna option
- Low power consumption, long standby time with internal battery

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GSM Specifications

Frequency	Quad band: 850/900/1800/1900 MHz Compliant to GSM phase 2/2+ -Class 4 (2W @ 900 MHz) -Class 1 (1W @ 1800 MHz)
GPRS	GPRS multi-slot class 10 GPRS mobile station class B
RMS Phase Error	5 deg
Max Out RF Power	GSM900: 33.0±2 dBm PCS: 30.0±2 dBm
Dynamic Input Range	-15 ~ -108 dBm
Receiver Sensitivity	Class II RBER 2% (-107 dBm)
Stability of Frequency	< 2.5 ppm
Max Frequency Error	±0.1 ppm

GPS Specifications

GPS Chipset	u-blox All-In-One GPS receiver
Sensitivity	Autonomous: -147 dBm Hot start: -156 dBm Reacquisition: -160 dBm Tracking: -162 dBm
Position Accuracy (CEP)	Autonomous: < 2.5m SBAS: < 2.0m
TTF (Open Sky)	Cold start: 27s average Warm start: 27s average Hot start: 1s average

Interfaces

GSM Antenna	Internal only
GPS Antenna	Two built-in GPS antennas at front and rear sides
MMCX Interface	For optional external GPS antenna
LED Indicator	GSM, GPS and power (battery status)
Micro USB Interface	For battery charging Charged by cigar lighter: 5V, 0.5~2A Charged by adapter: 12V, 2A
Power Button	For power on only Press at power-on to light up the battery indicator

General Specifications

Dimensions	151mm*74mm*34.5mm
Weight	375g
Internal Battery	Rechargeable Li-Polymer battery, 3.8V 15000 mAh
Standby Time	Without reporting: 190 days Working mode: 1 minute reporting and locate every 20 seconds (with GPS on): 10 days 5 minutes reporting: 65 days 10 minutes reporting: 95 days
Waterproof	IP65 compliant
Operating Temperature	-20~60°C -30~60°C for storage
Accelerometer	Internal 3-axis accelerometer
Light Sensors	Two internal light sensors One for removal alarm, the other for environment light monitoring
Temperature & Humidity Sensor	Internal temperature & humidity sensor Temperature range: -30°C ~70°C Humidity: 1~99%Rh

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status according to preset time intervals
Motion Detection	Motion detection based on internal 3-axis accelerometer
Removal Alarm	Removal alarm based on internal light sensor (for magnet-mounted version only)
Environmental Light Monitoring	Environmental light monitoring based on internal light sensor and preset optical density value
Temperature & Humidity Measurement	Temperature and humidity measurement based on internal temperature & humidity sensor

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