

# GL200

## Motion Sense Mini Asset Tracker

- ▶ Built in 3D Motion Sensor
- ▶ Water Resistant
- ▶ Super Sensitivity and High Accuracy
- ▶ Quad Band GSM/GPRS
- ▶ Low Power Consumption
- ▶ Embedded Full-Featured @Track Protocol
- ▶ RoHS Compliant



GL200 is a powerful GPS Tracker designed for vehicle, pet and asset tracking. With superior receive sensitivity, fast TTFF (Time to First Fix) and Quad-band GSM frequencies 850/900/1800/1900 its location can be monitored or periodically reported to a backend server or other device. Based on the embedded @Track protocol, the GL200 can communicate with the backend server through the GPRS/GSM network (or SMS) to report Emergency Alerts, Geo-fence boundary crossings, Low Battery and scheduled GPS positions along with several other advanced reporting features. System Integrators can easily setup their custom tracking platforms to communicate with the GL200 based on the @Track protocol.

### Advantages

- Water Resistant
- Quad band GSM/GPRS frequencies 850/900/1800/1900MHz
- Embedded full-featured @Track protocol
- Built in uBlox GPS chipset with -162dBm tracking sensitivity, -148dBm autonomous sensitivity for fast TTFF and high accuracy
- Built in GSM/GPS antennas
- Low power consumption, long standby time with internal battery
- Built in 3D motion sensor for power saving and motion detection
- Fully power management, can be connected to external DC power or battery
- Certified with CE FCC PTCRB Anatel



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### GSM Specifications

<b>Frequency</b>	Quad-Band: 850/900/1800/1900MHz Compliant to GSM phase 2/2+ -Class 4 (2W @ 850/900MHz) -Class 1 (1W @ 1800/1900MHz)
<b>GPRS</b>	GPRS multi-slot class 12 GPRS mobile station class B
<b>RMS Phase Error</b>	5 deg
<b>Max Out RF Power</b>	33.0dBm±2dBm
<b>Dynamic Input Range</b>	-15 ~ -102dBm
<b>Receiving Sensitivity</b>	Class II RBER2%(-102dBm)
<b>Stability Of Frequency</b>	< 2.5ppm
<b>Max Frequency Error</b>	± 0.1ppm

### General Specifications

<b>Dimension</b>	67.5mm * 40mm * 21mm
<b>Weight</b>	60 g
<b>Battery</b>	Li-Polymer 1300mAh
<b>Standby Time</b>	Without reporting :300 to 400 Hours 5 minutes reporting :100 to 150 Hours 10 minutes reporting:150 to 200 Hours
<b>Water Resistant</b>	Follow the IPX5 Standard
<b>Charge Voltage</b>	5V DC
<b>External Battery Voltage</b>	3.5V to 4.5V DC
<b>Operation Temperature</b>	-20℃ ~ +55℃

### GPS Specifications

<b>GPS Chipset</b>	uBlox All-In-One GPS Receiver Sensitive, Fast and Accurate
<b>Sensitivity</b>	Autonomous: -148 dBm Reacquisition: -160 dBm Tracking: -162 dBm
<b>Position Accuracy</b>	Autonomous: < 2.5 m SBAS: 2.0 m
<b>TTF (Open Sky)</b>	Cold start: 30s average Warm start: < 30s Hot start: < 1s

### Air Interface Protocol

<b>Transmit Protocol</b>	TCP, UDP, SMS
<b>Scheduled Timing Report</b>	Report Position follow the pre-set fix interval and report interval
<b>Geo-Fence</b>	5 Geo-Fence regions can be defined
<b>Low Power Alarm</b>	Alarm when backup battery is low
<b>Power On Report</b>	Report when the device is powered on
<b>Power Off Report</b>	Report when the device is powered off
<b>Non-Movement Detection</b>	Movement alarm based on built in 3D motion sensor
<b>SOS/Emergency Alarm</b>	SOS alarm when function key is pressed

### Interfaces

<b>Power Button</b>	For power on and power off, can be disabled by the air interface protocol
<b>Function Button</b>	For SOS alarm or quick setting of Geo-Fence
<b>Mini USB Interface</b>	For external power and configuration
<b>MMCX RF Connector</b>	For external GPS antenna
<b>Indicator LED</b>	GSM, GPS and Battery Status

### Queclink Wireless Solutions

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