

GT200

Personal GPS Tracker

- Water Resistant
- Super Sensitivity And High Accuracy
- Quad Band GSM/GPRS
- Low Power Consumption
- Embedded Full-Featured @Track Protocol
- RoHS Compliant



GT200 is a powerful GSM/GPRS/GPS Tracker for personal tracking. With superior receiving sensitivity, fast TTFF and Quad-Band GSM frequencies 850/900/1800/1900MHz, its location can be monitored in real time or periodically reported by a backend server or other device. Based on the embedded @Track protocol the GT200 can communicate with the backend server through the GPRS/GSM network to transfer reports of emergency/SOS, Geo-fence boundary crossings, low battery or scheduled GPS position, GSM Cell ID or among other advanced features. Users can easily dial preset phone number by using 1/2/3/4 button or the SOS button. System Integrators can easily communicate with the GT200 by using the @Track protocol.



Advantages

- Quad band GSM/GPRS frequencies 850/900/1800/1900MHz
- Embedded full-featured @Track protocol
- Built in uBlox GPS chipset with -162dBm tracking sensitivity, -148 dBm autonomous sensitivity for fast TTFF and high accuracy
- Built in GSM/GPS antennas
- Quick dial for four preset numbers
- Low power consumption, long standby time with internal battery

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GSM Specifications

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

GPS Specifications

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

Interfaces

Power Button	Power on or off device
Volume Button	Two sides buttons to increase/decrease volume
1/2/3/4 Button	Preset number button
SOS Button	SOS/Emergence
Mini USB Interface	For external power and configuration
Indicator LED	GSM, GPS and Battery Status



General Specifications

Dimension	75mm * 42.5mm * 17.5mm
Weight	65g
Battery	Li-ion 850mAh
Standby Time	Without reporting: 250 to 280 Hours 5 minutes reporting: 50 to 60 Hours 10 minutes reporting: 70 to 80 Hours
Charge Voltage	5V DC
Operation Temperature	-20°C~+55°C

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Timing Report	Report Position follow the pre-set fix interval and report interval
Geo-Fence	5 Geo-Fence regions can be defined
Low Power Alarm	Alarm when backup battery is low
Power On Report	Report when the device is powered on
Power Off Report	Report when the device is powered off

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