



GMT200

Compact Motorcycle GPS Tracker



- 📶 **Small Size Allowing Covert Installation**
- 📶 **Wide Operating Voltage Range 9V to 32V DC**
- 📶 **Multiple I/Os**
- 📶 **Zero Power Consumption When Ignition off**
- 📶 **Water Resistant, IPX6 Compliant**

The GMT200 is a water resistant GPS tracker designed for applications requiring low current drain such as motorcycles and boats. Its built-in GPS receiver has superior sensitivity and fast time to first fix. Its quad band GPRS/GSM subsystem supports 850/900/1800/1900 MHz allowing the GMT200's location to be monitored in real time or periodically tracked by a backend server and mobile devices. Its built-in 3-axis accelerometer allows motion detection and extends battery life through sophisticated power management algorithms. Further reduction in current drain is achieved by configuring alternative recharge schemes for the internal battery. It measures 70mm*46mm*17.5mm and weighs only 62g, allowing easier and more covert installation. System integration is straightforward as complete documentation is provided for the full featured @Track protocol. The @Track protocol supports a wide variety of reports including emergency, geo-fence boundary crossings, low battery and scheduled GPS position.

Advantages

- Micro-sized device allowing easier and more covert installation
- Wide operating voltage 9V to 32V DC
- Internal u-blox GPS chipset
- Low power consumption, long standby time with internal battery
- Quad band GSM/GPRS 850/900/1800/1900 MHz
- Embedded full featured @Track protocol
- Multiple I/O interfaces for monitoring and control
- Internal 3-axis accelerometer for power saving and motion detection
- Power consumption can be fully configured
- Three working power modes
- Water resistant, IPX6 compliant
- CE/FCC certified



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GSM Specifications

Frequency	Quad band: 850/900/1800/1900 MHz Compliant to GSM phase 2/2+ -Class 4 (2W @ 850/900 MHz) -Class 1 (1W @ 1800/1900 MHz)
GPRS	GPRS multi-slot class 10 GPRS mobile station class B
RMS Phase Error	5 deg
Max Out RF Power	GSM850/GSM900: 33.0±2 dBm DCS/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

General Specifications

Dimensions	70mm*46mm*17.5mm
Weight	62g
Backup Battery	Li-Polymer 650 mAh
Standby Time	Without reporting: 140 hours 5 minutes reporting: 80 hours 10 minutes reporting: 90 hours
Water Resistance	IPX6 compliant
Operating Voltage	9V to 32V DC
Operating Temperature	-20°C ~ +80°C (without battery) -40°C ~ +85°C for storage (without battery)
Power Management	Three working modes including zero current drain from vehicle when ignition is off

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

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status according to preset time schedules
Geo-fence	Geo-fence alarm
Power On/Off Report	Report when the device is powered on and off
Tow Alarm	Alarm trigger based on internal 3-axis accelerometer
Special Alarm	Special alarm based on the digital inputs
Low Power Alarm	Alarm when backup battery is low
Remote Control	Digital outputs can be controlled using the air interface protocol

Interfaces

Digital Inputs	Two digital inputs One positive trigger for ignition detection One negative trigger input for normal use
Digital Outputs	One digital output: open drain output, 150 mA max current drain with latch
GSM/GPS Antennas	Internal only
Indicator LED	CEL, GPS and battery status
Mini USB Interface	For external power and configuration

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