Queclink
WIRELESS SOLUTIONS

GV200
Flexible Vehicle Tracker

- Wide Operating Voltage From 8 to 32V DC
- Super Sensitivity and High Accuracy
- Quad Band GSM/GPRS
- Low Power Consumption
- Build in Internal GSM and GPS Antenna
- RoHS Compliant
- Multiple Digital and Analogue I/Os

PWR
GSM
GPS

GV200
FCC ID: YCQ-GV200
CE 0678
IMEI: 359231032769075

Designed by Queclink
Internal Battery:1000mAh; 3.7V
Operating Voltage: DC 8 - 32V
Warning!!!
Don't expose to temperature
above 60 °C. May Explode if
disposed of in fire.
Made in China

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2   24

The GV200 is a powerful GPS Locator designed for vehicle tracking applications. With superior receiving sensitivity, fast TTFF (Time to First Fix) and Quad-Band GSM frequencies 850/900/1800/1900, its location can be monitored in real time or periodically tracked by a backend server or other specified terminals. GV200 has Multiple input/output interfaces which can be used for monitoring or controlling external devices. Based on the integrated @Track protocol, GV200 can communicate with a backend server through the GPRS/GSM network to transfer reports of emergency, geo-fence boundary crossings, low battery or scheduled GPS position along with many other useful functions. System Integrators can easily setup their tracking systems based on the full-featured @Track protocol.

Advantages

- Wide operating voltage: 8 to 32V DC
- Built in MTK GPS chipset with -165dBm tracking sensitivity, -147dBm autonomous sensitivity for fast TTFF and high accuracy
- Low power consumption, long standby time with internal battery
- Quad band GSM/GPRS frequencies 850/900/1800/1900MHz
- Embedded full-featured @Track protocol
- Multiple input/output interfaces for monitoring and control
- Built in 3D motion sensor for power saving and motion detection
- Three analog inputs for external sensor
- Built in or optional external GSM antenna
- Built in or optional external GPS antenna

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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	MTK All-In-One GPS Receiver Sensitive, Fast and Accurate
Sensitivity	Autonomous: -147dBm Hot start: -160dBm Tracking: -165dBm
Position Accuracy	Autonomous: < 3m SBAS: 2.5m
TTFF (Open Sky)	Cold start 35s average Warm start < 35s Hot start < 1.2s

Interfaces

Digital Inputs	4 Digital Inputs. Two positive trigger and two negative trigger
Analog Inputs	3 Analog Inputs (0 to 2.8V)
Digital Outputs	4 Digital Outputs. Negative trigger, Max output current 200mA
Two-Way Audio	Speaker and Microphone On 24 PIN Molex Type connector
GSM/GPS Antenna	FAKRA Type connector for external antennas
Indicator LED	GSM, GPS and Power
Serial Port	Two RS232 serial ports on 24 PINS Molex Type connector. One for configuration another for external devices (GARMIN protocol support)

General Specifications

Dimension	105mm * 78mm * 24mm
Weight	140 g
Backup Battery	Li-Polymer 1000mAh, 3.7V
Standby Time	Without reporting: 90 to 110 Hours 5 minute reporting: 40 to 50 Hours 10 minute reporting: 50 to 60 Hours
Operation Voltage	8 to 32V DC
Operation Temperature	-30℃~+80℃ (Without Battery) -40℃~+85℃ for Storage (Without Battery)
Power Management	Full power path management; Internal battery is no used when external power is available

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Timing Report	Position reports at pre-set time and distance intervals
Geo-Fence	Geo-Fence alarm and parking alarm
Low Power Alarm	Alarm when internal battery is low
Power On Report	Report when the device is powered on
Tow Alarm	With built in 3D motion sensor
Antenna Disconnect Alarm	Alarm when the GPS antenna is disconnected
Special Alarm	Special alarm based on the digital/analog inputs
Remote Control	Control the digital outputs through air interface protocol

Queclink Wireless Solutions