



GV55 Lite

Micro Vehicle Tracking Device



-  **Small Size Allowing Covert Installation**
-  **Supports Basic Tracking Functions**
-  **Cost Effective Solution for Basic Tracking**

The GV55 Lite is a micro GPS tracker designed for a wide variety of vehicle tracking applications. The GV55 Lite has multiple input/output interfaces that can be used for monitoring or controlling external devices. 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 GV55 Lites' location to be monitored in real time or periodically tracked by a backend server and mobile devices. 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 or scheduled GPS position and many other useful functions.



Advantages

- Micro-sized device allowing easier and more covert installation
- Internal u-blox chipset
- Quad band GSM/GPRS 850/900/1800/1900 MHz
- Embedded full-featured @Track protocol
- Multiple input/output interfaces for monitoring and control
- Internal GSM/GPS antenna
- FCC/CE Certified

GV55 Lite

Micro Vehicle Tracking Device



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 12 GPRS mobile station class B
RMS Phase Error	5 deg
Max Out RF Power	33.0 dBm \pm 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	\pm 0.1 ppm

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, 150mA drive current max
Latched Digital Outputs	One digital output with internal latch circuit open drain, 150mA max current drain
GSM Antenna	Internal only
GPS Antenna	Internal only
Indicator LED	GSM, GPS and power
Mini USB Port	Mini USB port for firmware upgrading and debugging

GPS Specifications

GPS Chipset	u-blox All-In-One GPS receiver
Sensitivity	Autonomous : -148 dBm Hot start : -160 dBm Tracking : -162 dBm
Position Accuracy	Autonomous : < 2.5m SBAS : 2.0m
TTF (Open Sky)	Cold start : 30s average Warm start : < 30s Hot start : < 1.2s

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Timing Report	Report and status position at pre-set intervals
Power On Report	Report when the device is powered on
Special Alarm	Special alarm based on the digital/analog inputs
Remote Control	OTA control of digital outputs

General Specifications

Dimensions	63mm * 50mm * 13.2mm
Weight	44g
Operating Voltage	8 to 16V DC
Operating Temperature	-30°C ~ +80°C -40°C ~ +85°C for storage



Queclink Wireless Solutions Co., Ltd.

Add: Office 501, Building 9, No. 99 Tianzhou Road,
Shanghai, China 200233
Tel: +86 21 5108 2965
Fax: +86 21 5445 1990
Web: www.queclink.com
Email: sales@queclink.com