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GV56G

2G vehicle tracker with built-in BLE



- **1-wire interface**
- **BLE 5.4**
- **9~90V DC**

- **2G**
- **9 ~ 90V DC**
- **BLE 5.4**
- **Compact Size**
- **Covert Installation**
- **Jamming Detection**
- **Scheduled Report**
- **Geo-fences**
- **Motion Detection**
- **Driving Behavior Monitoring**
- **Crash Detection & Accident Reconstruction**
- **Tow Alarm**
- **OTA Control**

The GV56G is our most cost-effective tracking solution designed for light vehicle applications, including usage-based insurance, car rental, stolen vehicle recovery, logistics management, and more. It features optimized I/O interfaces to support fuel cut-off, ignition detection, and one analog sensor input. Additionally, the device supports driver ID identification via 1-Wire or BLE. Supported accessories include a full range of BLE-based fuel level sensors, beacons, and temperature monitoring sensors.

Fleet Monitoring



Automobile Finance



Stolen Vehicle Recovery



Queclink | SPECIFICATIONS

General

Dimensions	79.6(L) x 44.4(W) x 13.4(H)mm
Weight	55.4g
Backup Battery	Li-Polymer, 180mAh
Operating Voltage	9 ~ 90V DC
Operating Temperature	-30 °C ~ +70 °C -30 °C ~ +80 °C for storage
Buffer Messages	Up to 10000 buffer messages
BLE	Support BLE 5.4 protocol
Region	EU, Asia
Certification	CE, E-mark, EAC, RoHS

2G

Frequency	EGPRS: 850/900/1800/1900 MHz
Data Transmission	EDGE: (DL)236.8Kbps/(UL)236.8Kbps GPRS:(DL)85.6Kbps/(UL)85.6Kbps

Connectivity

Model	BLE
Type	2.4GHz
Remark	BLE 5.4, worked as a BLE gateway to connect accessories like beacon, temperature sensor, door sensor, etc.

GNSS

GNSS Type	MTK GNSS receiver
Constellation Support	GPS, Galileo, GLONASS
Sensitivity	Autonomous: -148 dBm Hot start: -163 dBm Tracking: -165 dBm
Position Accuracy (CEP)	Autonomous:<2.0m
TTFF (Open Sky)	Cold start: 32s average Warm start: 30s average Hot start: 1s average

Interfaces

Digital Input	1 x positive trigger input for ignition detection
Configurable Input	1 x configurable input for analog input (0V ~ 30V) or negative input
Digital Output	1 x digital outputs, open drain, 150mA max drive current drain
Cellular Antenna	Internal only
GNSS Antenna	Internal only
BLE Antenna	Internal only
LED Indicators	Internal only
One Wire Interface	VDD, DATA for one wire
Micro USB Interface	Used for configuration, upgrade and debugging

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status based on preset time intervals, distance, mileage, or a combination of these settings
Geo-fences	Geo-fence alarm and parking alarm, support up to 20 internal geo-fence regions
Speed Alarm	Flexible speed monitoring for unusual speed alarm
Low Power Alarm	Alarm when backup battery is low
Power On Report	Report when the device is powered on
SOS Alarm	Alarm message report triggered by panic button in emergency situation
Tow Alarm	Alarm for tow event in ignition-off state
Jamming Detection	Alarm based on jamming detection
Virtual Ignition Detection	Based on voltage and accelerometer
Driving Behavior Monitoring	Aggressive driving behavior detection, including harsh braking, acceleration, etc.
Crash Detection	Accident data collection for reconstruction and analysis
Special Alarm	Special alarm based on digital/analog inputs
Motion Detection	Motion alarm based on internal 3-axis accelerometer
Remote Control	OTA control of digital outputs