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GV58CG

Cost effective mini GNSS tracker



- **Compact Size**
- **1-wire Interface**
- **BLE 5.2**

- **OTA Control**
- **Scheduled Report**
- **Geo-fences**
- **Ignition Detection**
- **Emergency Alarm**
- **Motion Detection**
- **Driving Behavior Monitoring**
- **Accelerometer Self-calibration**
- **Crash Detection & Accident Reconstruction**
- **Tow Alarm**
- **Jamming Detection**
- **Driver Identification**

The GV58CG is a cost-effective LTE Cat 1 telematics device ideal for variety of fleet management applications range from general fleet tracking, car rental and leasing, stolen vehicle recovery, logistics and more. The GV58CG optimizes the available I/Os, allowing fuel cut-off, ignition detections, and a single analog sensor in addition to driver identification over 1-wire or BLE. Supported accessories include a range of BLE-based temperature and humidity, fuel level as well as angle tilt monitoring solutions offered either from Queclink or selected partners.

Car Leasing



Automobile Finance



Stolen Vehicle Recovery



Queclink | SPECIFICATIONS

General

Dimensions	86.7(L) x 46.4(W) x 18.1(H) mm
Weight	80g
Backup Battery	Li-Polymer, 190 mAh
Operating Voltage	8V to 32V DC
Operating Temperature	-30 °C ~ +70 °C -40 °C ~ +80 °C for storage
BLE	Support BLE 5.2 protocol
Region	Latin America, Brazil
Certification	FCC, ANATEL

LTE

Operating Band	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28
Data Transmission	LTE-FDD: (DL) 10Mbps /(UL) 5Mbps

EGPRS

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

Interfaces

Digital Input	1 positive trigger input for ignition detection 2 negative trigger input (1 configurable input for Analog input / Digital Input)
Digital Output	1 digital output, open drain, 150 mA max drive current
Latched Digital Output (Supported as of HW 2.04)	1 digital output with internal latch circuit, open drain, 150 mA max drive current
Cellular Antenna	Internal only
GNSS Antenna	Internal only
BLE Antenna	Internal only
Micro USB Interface	Used for configuration, upgrade and debug (Internal)
1-wire Interface	1 (Support 1-wire temperature sensor and iButton driver ID)
LED Indicators	CEL, GNSS, Power

GNSS

GNSS Type	u-blox All-in-One GNSS receiver
Constellation Support	GPS, Glonass, Galileo, Beidou
Sensitivity	Cold start: -148 dBm Hot start: -160 dBm Tracking: -167 dBm
Position Accuracy (CEP)	Autonomous: < 2.0m
TTFF (Open Sky)	Cold start: 24s average Hot start: 1s average

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
Power On Report	Report when the device is powered on
Special Alarm	Special alarm based on digital inputs
Low Power Alarm	Alarm when backup battery is low
Tow Alarm	Alarm for tow event in ignition-off state
Driving Behavior Monitoring	Aggressive driving behavior detection, including harsh braking, acceleration, etc.
Crash Detection	Accident data collection for reconstruction and analysis
Remote Control	OTA control of digital outputs