GV30CAU

LTE Cat 1 compact GNSS tracker for a wide range of vehicle tracking applications

- Small Size
- LTE Cat1
- 9 ~32V DC(Optional 9-90V)

The GV30CAU is an ultra-low cost LTE Cat 1 Fallback 2G GNSS tracker. Its extremely compact design facilitates easy and covert installation. Its compact size and powerful features make it an ideal choice for a wide range of transportation monitoring applications such as automobile finance, stolen vehicle recovery, car leasing, and logistics.

- Jamming Detection
- Scheduled Report
- Geo-fences
- Motion Detection
- Driving Behavior Monitoring
- Crash Detection & Accident Reconstruction
- Tow Alarm
- OTA Control

Applications

Fleet Monitoring

Automobile Finance

Stolen Vehicle Recovery

*These features will be implemented through Queclink's accessories or other third-party accessories.

General Specifications

Dimensions	94(L) x29(W) x16(H)mm
Weight	61g
Backup Battery	Li-Polymer, 50mAh
Operating Voltage	9 ~ 32V DC (Optional 9-90V DC fuse on cable, fuse on chipboard removed)
Buffer Messages	Up to 10000 buffer messages
Region	Latin America and Australia
Certification	FCC Anatel

LTE Specifications

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

GSM Specifications

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

Interfaces

Digital Input	1 x negative trigger input for normal use
Configurable Input	1 x configurable input for analog input (0V ~ 16V) or ignition detection
Latched Digital Output	1 x digital output with one internal latch circuit, open drain, 150 mA max drive current
Cellular Antenna	Internal only
GNSS Antenna	Internal only
LED Indicators	CEL, GNSS
Micro USB Interface	Used for configuration, upgrade and debugging

GNSS Specifications

GNSS Type	All-in-one receiver
Constellation Support	GPS, Beidou, Galileo, GLONASS
Sensitivity	Cold start: -149 dBm Hot start: -157 dBm Tracking: -165 dBm
Position Accuracy (CEP)	Autonomous: <2.0m
TTFF (Open Sky)	Cold start: 28s 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
Speed Alarm	Flexible speed monitoring for unusual speed alarm
Power On Report	Report when the device is powered on
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
Motion Detection	Motion alarm based on internal 3-axis accelerometer
Remote Control	OTA control of digital outputs