Queclink | Transportation

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GV350CEU

Powerful and Versatile LTE Vehicle Tracker with CANbus Support



- **LTE Cat 1 with 2G Fallback**
- **BLE 5.2**
- **Multiple I/O Interfaces**

- **Support J1939 and J1708**
- **RS232 Serial Port**
- **1-wire interface**
- **Geo-fences**
- **Tow Alarm**
- **Crash Detection**
- **Driving Behavior Monitoring**
- **OTA Control**
- **Temperature Monitoring**
- **Driver Identification**
- **Up to 10,000 Buffer Messages**

The GV350CEU is the new generation advanced telematics solution equipped with LTE Cat 1 and high precision positioning GNSS modules. It can read advanced vehicle data from heavy trucks (CAN and J1708), light commercial vehicles and passenger cars without interfering with vehicle bus wiring or vehicle data ports. With multiple interfaces, the device supports a wide range of pre-integrated accessories either of Queclink or from our selecteda partners via RS232 serial port and 1-wire interface, providing additional functions such as fuel level monitoring and driver identification. Its built-in BLE allows connectivity to diverse wireless accessories such as BLE beacons and temperature monitoring sensors.

Fleet Management



Cold Chain



Transportation Monitoring



General

Dimensions	94(L) × 58.5(W) × 21(H)mm
Weight	94g
Backup Battery	Li-Polymer, 250 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	EMEA
Certification	CE,FCC

LTE

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

EGPRS

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

GNSS

GNSS Type	u-blox All-in-one GNSS receiver
Constellation Support	GPS, Glonass, Galileo, Beidou
Sensitivity	Cold start: -148dBm Hot start: -160 dBm Tracking: -167 dBm
Position Accuracy (CEP)	Autonomous: < 2m
TTFF (Open Sky)	Cold start: 24s average Hot start: 1s average

Interfaces

Digital Inputs	1 positive trigger input for ignition detection 3 negative trigger inputs
Analog Inputs	2 analog inputs (0V-16V), 1 analog input(0-30V)
Digital Output	5 digital outputs
Latched Digital Output	1 digital output one with internal latch circuit, open drain, 150 mA max drive current
Serial Port	1 RS232 serial port on 22 pin Molex type connectors, for external devices
Cellular Antenna	Internal only
GNSS Antenna	Internal antenna
BLE Antenna	Internal only
LED Indicators	Cellular network, GNSS, Power status, CAN status
Mini USB Interface	Used for configuration, upgrade and debug
CAN Interface	CAN1: Support CAN-bus in truck and passenger car CAN2: Support CAN-bus in OBD II and J1708
One Wire Interface	1 (Support 1-wire temperature sensor and iButton driver ID)

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
Low Power Alarm	Alarm when backup battery is low
Power On Report	Report when the device is powered on
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
Special Alarm	Special alarm based on digital/analog inputs
Remote Control	OTA control of digital outputs