

GV500CG

LTE Cat 1 Mini OBD Tracker

LTE Specifications

Operating Band	Cat 1: LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28
Data Transmission	LTE-FDD: Max 10Mbps (DL)/Max 5Mbps (UL)

GSM Specifications

Frequency	GSM850/GSM900/GSM1800/GSM1900
Data Transmission	GPRS:(DL)85.6Kbps/(UL)85.6Kbps
	EDGE:(DL)236.8Kbps/(UL)236.8Kbps

GNSS Specifications

GNSS Type	All-in-One GNSS receive
Sensitivity	Autonomous: -147 dBm
	Hot Start: -163 dBm
	Reacquisition: -160 dBm
	Tracking: -165 dBm
Position Accuracy (CEP)	Autonomous: < 2.0m
TTFF (Open Sky)	Cold start: 24s average
	Warm start: 24s average
	Hot start: 1s average

General Specifications

Dimensions	50(L) * 46(W) * 23(H) mm 1.97(L) * 1.81(W) * 0.90(H) inch
Weight	41g (1.45oz)
Backup Battery	Li-Polymer, 3.7V, 60 mAh
Operating Voltage	8V ~ 32V DC
Operating Temperature	-20 ℃ ~ +60 ℃ (-4 ℉ ~ 140 ℉)
Storage Temperature	-40 ℃ ~ +80 ℃ (-40 ℉ ~ 176 ℉)
Buffer Messages	Up to 10,000 buffer messages
BLE	Support BLE 5.2 protocol

Interfaces

Cellular Antenna	Internal only
GPS Antenna	Internal only
LED Indicators	Cellular network, GNSS, Power status
Micro USB	Internal USB port for configuration and FW upgrade
OBD	The OBD port provides power only

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/Off Report	Report when the device is powered on and off
Tow Alarm	Alarm for tow event in ignition-off state
Jamming Detection	Alert based on interference 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-axisaccelerometer
MQTT	Report data to the MQTT server
TLS	TLS Data Encryption,supported TLS1.2

Queclink
www.queclink.com
sales@queclink.com
+86 21 5108 2965