

GV58CEU SPECIFICATIONS

Cost effective mini GNSS tracker

LTE Specifications

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

EGPRS Specifications

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

GNSS Specifications

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	Cold start: 24s average Hot start: 1s average

General Specifications

Dimensions	86.7(L) × 46.4(W) × 18.1(H) mm
Weight	80g
Backup Battery	Li-Polymer, 190 mAh
Operating Voltage	8V to 32V DC
Operating Temperature	-30℃ ~ +70℃ -40℃ ~ +80℃ for storage
BLE	Support BLE 5.2 protocol

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	1 digital output with internal latch circuit, open drain, 150 mA max drive current (Reserved)
Cellular Antenna	Internal only
GNSS Antenna	Internal only
BLE Antenna	Internal only
LED Indicators	CEL, GNSS, Power
Micro USB Interface	Used for upgrade and debug
1-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

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