Tracking Hardware UK

GV65 Series

Compact multi-interface GNSS trackers for a wide range of vehicle tracking applications

🏋	56g (GV65) 62g (GV65 Plus)	💳	73mm(L) × 54mm(W) × 22.7mm(H)
🌡	-30℃ ~ +80℃	🔋	Operating Voltage: 8V to 32V DC Li-Polymer, 250 mAh (GV65 Plus)

- ✳ Compact Size
- 🕸 Multipe I/O Interfaces
- 📶 1-wire Interface
- 🔃 Scheduled Timing Report
- ▦ Geo-fences
- 📳 Motion Detection
- 🛞 Driving Behavior Monitoring
- 🚗 Crash Detection
- ⏻ Power Supply Monitoring
- ⤳ Tow Alarm
- ⛽ Fuel Level Monitoring
- 🌡 Temperature Monitoring Driver
- 👤 ID Identify
- 🕑 Support Virtual Odometer
- 📑 Up to 10,000 Buffer Messages

The GV65 series includes two compact GNSS trackers designed for a wide variety of vehicle tracking applications. The series includes multiple digital/analog I/Os that can be used for monitoring or controlling external devices, and has a 1-wire interface for iButton driver ID or temperature monitoring.

📍 Stolen Vehicle Recovery
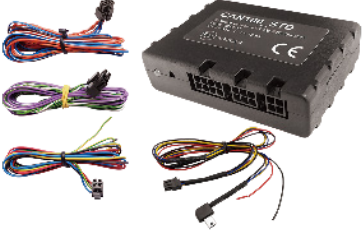
📍 Transportation Monitoring

📍 Fleet Management

Driving Smarter IoT

GV65 Series Models

	Region	Operating Band	GNSS Type	Position Accuracy (CEP)	Backup Battery	Certificate
GV65	Worldwide	GSM 850/900/1800/1900 MHz	u-blox All-in-One GNSS receiver	Autonomous: < 2.5m	N/A	CE/E-Mark
GV65 Plus	Worldwide	GSM 850/900/1800/1900 MHz	u-blox All-in-One GNSS receiver	Autonomous: < 2.5m	Li-Polimer, 250 mAh	CE/E-Mark/ Anatel

Interfaces

GNSS Connector

10 PIN Interface

CEL LED
GPS LED
Power LED

Digital Inputs	1 positive trigger input for ignition detection 2 negative trigger inputs for normal use
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
Analog Input	1 analogue input with selectable input voltage range (0V-12V or 0V-30V)
1-wire Interface	Support 1-wire temperature sensor and iButton driver ID
GSM Antenna	Internal only
GNSS Antenna	Internal antenna and optional external antenna
LED Indicators	CEL, GNSS, PWR
Mini USB Interface	Used for upgrading and debugging

Accessories

1-wire Temperature Sensor

1-wire temperature sensor (DS18B20)
Cable length: 8m

CAN100_INV with Cable

Decodes information from vehicles digital buses CAN
bus and J1708) for tracking device
Power supply voltage: 7V to 36V
Current consumption (operating mode @12V,)6,5 mA
Current consumption (operating mode @24V,)4 mA
Current consumption (sleep mode)below 1 mA
Output current (outputs OUT1, OUT2, OUT3)50 mA
Operating temperature -40°C ~+80°C
serial port UART compatible
Include UART cable

iButton Kit without AC100

Used for driver ID identification (Dallas keys) Parts list:
iButton reader x 1pc; 1-wire interface
iButton (with handle) x 2pcs Cable length: AC100 1M;
iButton reader 18cm

Active_Buzzer_1M

Active buzzer with 1m cable
Can be driven by the digital output on any GV Series devices

Film_Panic_Button_2M

Film panic button with 2M cable

Relay with Socket

Relay with socket for GV Series
Cable length: 14.5cm
NO/NC 40A/30A (14V DC)
With internal freewheeling diode

Antenna_GPS_SMA_3M

GPS active antenna with SMA type RF conntector
Cable length: 3m

EIO100

Expander for input and output can connect with tracking device through
UART or 1-Wire
Digital input x4 Digital output x4
Cable Length: 1.2m

Power Protection Cable

Power protection TVS cable
Used to improve the anti surge capacity of GV series
Features:
Reverse stand-off voltage: 30V
5000W x 2 peak pulse power capability on 10/1000us waveform

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