



- Multiple I/O Interfaces
- RS232 Serial Port
- Two-way Audio Interfaces
- OTA Control
- Scheduled Timing Report
- Geo-fences
- Low Power Alarm
- Power On Report
- Antenna Disconnect Alarm
- Garmin FMI Support
- Crash Detection (GV300)
- Driving Behavior Monitoring
- Tow Alarm
- Fuel Level Monitoring
- Support Temperature Sensor
- Driver ID Identify
- Up to 10,000 Buffer Messages

GV300 Series

Advanced GNSS trackers with multiple interfaces suitable for a wide range of vehicles

- 72g
- 80mm(L) × 48mm(W) × 25mm(H)
- 30°C ~ +80°C (GV300)
-30°C ~ +70°C (GV300W)
- Operating Voltage: 8V to 32V DC
Li-Polymer, 250 mAh

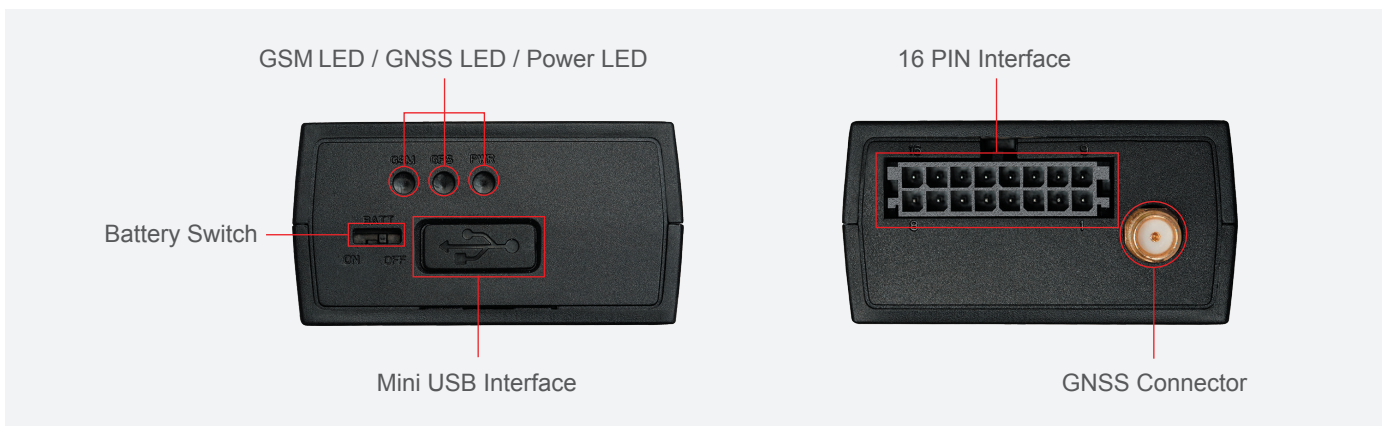
The GV300 series includes two models designed for light duty vehicle applications. The series features multiple interfaces including one RS232 serial port, one smart input, a two-way audio interface, etc. to support a wide variety of external accessories.



GV300 Series Models

	Region	Operating Band	GNSS Type	Position Accuracy (CEP)	Certificate
GV300	Worldwide	GSM 850/900/1800/1900 MHz	u-blox All-in-One GNSS receiver	Autonomous: < 2.5m	CE/FCC/E-Mark/ANATEL
GV300W	Worldwide	UMTS 850/1900/2100 MHz GSM 850/900/1800/1900 MHz	u-blox All-in-One GNSS receiver	Autonomous: < 2.5m	CE/FCC/E-Mark

Multiple Interfaces



Digital Inputs	1 positive trigger input for ignition detection 2 negative trigger inputs for normal use
Digital Outputs	2 digital outputs, open drain, 150 mA max drive current
Latched Digital Output	1 digital output with internal latch circuit, open drain, 150 mA max drive current
Configurable Input	1 special input can be configured as a negative trigger digital input or an analog input (0V-16V)
Analog Input	1 analog input (0.3V-16V)
Serial Port	1 RS232 serial port on 16 pin molex type connector, for external devices (GARMIN protocol support)
Two-way Audio Interfaces	1 differential output 1 single end input
Cellular 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

 <p>WTS100(FOR GV300) Wireless temperature sensor based on 433.92MHz radio frequency</p>	 <p>WTH100(FOR GV300) Wireless temperature & humidity sensor based on 433.92MHz radio frequency</p>
 <p>WPB100(FOR GV300) Wireless panic button based on 433.92MHz radio frequency</p>	 <p>WRT100(FOR GV300) Wireless panic button based on 433.92MHz radio frequency</p>
 <p>1-wire Temperature Sensor 1-wire temperature sensor (DS18B20) Cable length: 8m</p>	 <p>DRI02(FOR GV300) RFID reader kit Parts list: RFID reader x1; RF card x2</p>
 <p>Ultra Sonic Fuel Sensor UFS300 Ultra Sonic Fuel Sensor Operating voltage: 9V-36V DC Measurement range: 5cm - 100cm Level accuracy: ±0.5% IP rating: IP66 (detector) Output interface: - RS232 Interface: Baud rate: 19200</p>	 <p>CAN100 STD Decodes information from vehicle bus (CAN bus and J1708) for tracking device Power supply voltage: 7V to 36V Current consumption (operating mode @12V) 6.5mA Current consumption (operating mode @24V) 4mA Current consumption (sleep mode) below 1mA Output current (outputs OUT1, OUT2, OUT3) 50mA Operating temperature: -40°C to +80°C Serial port: RS232 compatible</p>
 <p>CAN100_INV with Cable (CAN bus and J1708) for tracking device Voltage and current consumption are same as CAN100 STD Operating temperature -40°C ~+80°C serial port UART compatible Include UART cable</p>	 <p>RS232 Camera RS232 camera with power supply Power supply input voltage: 10-24V Communication baud rate: 115200 Camera lens: 2.8mm infrared R940 light Angle of view: 110°; Wire length: 2m; Pixel: 300k</p>
 <p>iButton Kit Used for driver ID identification (Dallas keys) Parts list: AC100 x 1 pc; iButton reader x 1 pc; iButton (with handle) x 2 pcs Cable length: AC100 1M; iButton reader 18cm</p>	 <p>Active_Buzzer_1M Active buzzer with 1m cable Can be driven by the digital out put on any GV Series device</p>
 <p>MIC_2M Hands-free MIC set with 2M cable</p>	 <p>Active_SPK_2M Active hands-free speaker set with 2M cable</p>
 <p>Relay with Socket Cable length: 14.5cm NO/NC 40A/30A (14V DC) With internal freewheeling diode</p>	 <p>Antenna_GPS_SMA_3M GPS active antenna with SMA type RF connector Cable length: 3m</p>
 <p>Data_Cable_M(FOR GV300) USB to UART cable It is used for configuration, firmware upgrading and debugging</p>	 <p>Data_Cable_W(FOR GV300W) Mini USB data cable It is used for configuration, firmware upgrading and debugging</p>
 <p>AE300 A set of accessories used for testing GV300 Series Part list: GV300 EVB box ; Power supply;3.5mm stereo headphone; Extend_Cable 16 Pin to 16 Pin;ADC_Cable 4 Pin;Data_Cable_DB9_RS232</p>	 <p>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</p>
 <p>AU100 RS232 expander RS232 to RS232&1-wire expander</p>	 <p>AC100 Kit RS232 to 1-wire conversion cable Cable length: 1m</p>
 <p>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</p>	 <p>Film_Panic_Button_2M Film panic button with 2M cable</p>