



- 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

GV300 Series

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

- 72g
- 85.4mm (L) × 49mm (W) × 26mm (H)
- 30°C ~ +80°C (GV300)
-30°C ~ +70°C (GV300W)
- Operating Voltage: 8V to 32V DC
Li-Polymer, 250 mAh

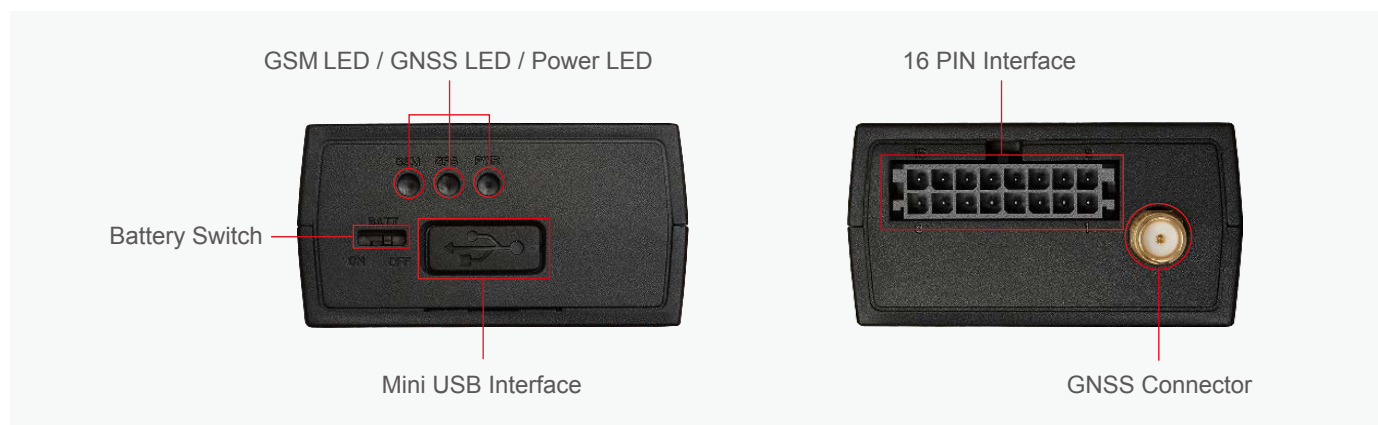
The GV300 series includes two models designed for light duty vehicle applications. The series features multiple interfaces including one RS232 serial port, one smart input, a two-way audio interface, etc. to support a wide variety of external accessories.



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	3 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

	WTS100 (FOR GV300) Wireless temperature sensor based on 433.92MHz radio frequency		WTH100 (FOR GV300) Wireless temperature & humidity sensor based on 433.92MHz radio frequency
	WPB100 (FOR GV300) Wireless panic button based on 433.92MHz radio frequency		WRT100 (FOR GV300) Wireless panic button based on 433.92MHz radio frequency
	1-wire Temperature Sensor 1-wire temperature sensor (DS18B20) Cable length: 8m		DRI02 (FOR GV300) RFID reader kit Parts list: RFID reader x1; RF card x2
	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		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
	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		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
	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		Active_Buzzer_1M Active buzzer with 1m cable Can be driven by the digital out put on any GV Series device
	MIC_2M Hands-free MIC set with 2M cable		Active_SPK_2M Active hands-free speaker set with 2M cable
	Relay with Socket 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 connector Cable length: 3m
	Data_Cable_M (FOR GV300) USB to UART cable It is used for configuration, firmware upgrading and debugging		Data_Cable_W (FOR GV300W) Mini USB data cable It is used for configuration, firmware upgrading and debugging
	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		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
	AU100 RS232 expander RS232 to RS232&1-wire expander		AC100 Kit RS232 to 1-wire conversion cable Cable length: 1m
	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		Film_Panic_Button_2M Film panic button with 2M cable