Tracking Hardware UK Ltd

LTE Cat 1 with 2G Fallback

BLE 5.2

Multiple I/O Interfaces

RS232 Serial Port

RS485 Serial Port

1-wire interface

Geo-fences

Tow Alarm

Crash Detection

Driving Behavior Monitoring

OTA Control

Fuel Level Monitoring

Temperature Monitoring

Driver Identification

GV305CEU

Versatile LTE Vehicle Tracker with BLE and Multiple Interfaces

71g

-30℃ to + 70℃

94(L) × 58.5(W) × 21(H)mm

Operating Voltage: 8V to 32V DC
Li-Polymer, 250 mAh

The GV305CEU is a versatile LTE Cat 1 vehicle tracker ideal for fleet management with GNSS connectivity. With multiple interfaces, the device supports a wide range of pre-integrated accessories either of Queclink or from our selected partners via RS232 or RS485 serial ports, providing additional functions such as fuel level monitoring and driver identification. Its built-in BLE allows connectivity to diverse wireless accessories such as BLE beacons and temperature monitoring sensors.

Fleet Management

Transportation Monitoring

Cold Chain

Driving Smarter IoT

GV305CEU

Region	Operating Band	GNSS Type	Position Accuracy (CEP)	Certificate
EMEA	LTE Cat 1 LTE-FDD: B1/B3/B7/B8/B20/B28 EGPRS: 900/1800 MHz	u-blox All-in-one GNSS Receiver	Autonomous: < 2m	CE/E-Mark

Multiple Interfaces

LED

22 PIN Interface

BLE GNSS CEL PWR

Mini USB Port

Digital Inputs	1 positive trigger input for ignition detection 4 negative trigger inputs
Analog Inputs	2 analog inputs (0V-16V) , 1 analog input(0-30V)
Digital Outputs	6 digital outputs
Latched Digital Output	1 digital output with internal latch circuit, open drain, 150 mA max drive current
Serial Port	1 RS232 serial port on 22 pin Molex type connector, for external devices. 1 RS485 serial port on 22 pin Molex type connector, for external devices
Cellular Antenna	Internal only
GNSS Antenna	Internal antenna
BLE Antenna	Internal only
LED Indicators	Cellular network, GNSS, Power status, BLE status
Mini USB Interface	Used for configuration, upgrade and debug
One Wire interface	1 (Support 1-wire temperature sensor and iButton driver ID)

Accessories

WTH300

BLE temperature and humidity sensor

WKF300

BLE key fob for continuously detecting the on-board status of the device

WBC300

BLE I/O expander used for engine control and locking control together with external relay

ATP100

BLE External TPMS

ATP102

BLE Internal TPMS

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 serial port
Baud rate: 19200

DR102

RFID Reader Kit
Parts list:RFID reader x1, RS232 interface
RF card x2

iButton Kit without AC100

Used for driver ID identification (Dallas keys)
Parts list:iButton reader x 1 pc, 1-wire interface
iButton (with handle) x 2 pcs

RS232 Camera

RS232 camera with power supply
Power supply input voltage: 10-24V
Communication baud rate: 115200
Camera lens: 2.8m infared R940 light
Angle of view:110 °
Wire Length: 2m
Pixel: 300k