

Queclink
WIRELESS SOLUTIONS



GB100 Series

Battery mounted insurance telematics devices allowing customer self-fit and lower cost installation

- Compact Size
- Easy Installation
- Water Resistant
- Low Power Consumption
- OTA Control
- Scheduled Timing Report
- Geo-fences
- Parking Alarm
- Crash Data Packet
- 1 Second GPS Sampling
- Driving Behavior Monitoring
- BLE 4.2 (GB100P)

75g	91.5mm(L) × 51.5mm(W) × 11mm(H)
-20˚C ~ +70˚C	Operating Voltage: 8V to 32V DC High Temperature NiMH, 200 mAh

The GB100 series includes two models of insurance telematics devices allowing varying levels of sample frequency and support for Bluetooth. The devices are simply mounted to the vehicle's battery, allowing either a very low cost installation or for the insurance customer to self-fit.



GB100 Series Models

	Region	Operating Band	GNSS Type	Accelerometer	Gyroscope	Bluetooth	Certificate
GB100	Worldwide	GSM 850/900/ 1800/1900 MHz	u-blox All-in-One GNSS receiver	Internal 3-axis accelerometer 100 Hz	N/A	N/A	CE/E-Mark
GB100P	Worldwide	GSM 850/900/ 1800/1900 MHz	u-blox All-in-One GNSS receiver	Internal 3-axis accelerometer 1600 Hz	Internal MEMS gyro-sensor	BLE 4.2 protocol	CE/E-Mark

Installation Guide



GB100 Rear View | Step 1 | Step 2 | Step 3

Interfaces

GSM Antenna	Internal only
GNSS Antenna	Internal only
Bluetooth Antenna (GB100P)	Internal only
LED Indicators	GSM, GNSS, PWR

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Power Supply Monitoring	Report/alarm of external power and backup battery status
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 based on up to 20 preset geo-fence regions
Speed Alarm	Unusual speed alarm via flexible monitoring of speed
Driving Behavior Monitoring	Aggressive driving behavior detection, including harsh braking, acceleration, etc.
Compressed GPS Data Packet	1 second GPS data packet while vehicle is in motion
Crash Data Packet	Crash data collection from accelerometer up to 15 seconds before and after an incident

Accessories



WKF300 (FOR GB100P)

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



GB100_Download_Kit

For GB100 upgrading and debugging
Part list: GB100 Download Jig
DB9 USB to serial port cable