



GS100

Self-install Insurance Telematics Device



- 📶 **Attractive External Design – Suitable for Entire Vehicle Range**
- 📶 **Insurance Application Ready – Supplied With Insurance Protocol and Firmware**
- 📶 **Windscreen Mounted - Zero Installation Cost**
- 📶 **Anti-tamper – Removal From Windscreen Triggers Alert**
- 📶 **Simple 2 Minute Installation – No Technical Knowledge Required**
- 📶 **Customer Rechargeable – No Need to Replace Device on Policy Renewal**
- 📶 **Will Not Interfere With Vehicle Warranties, Usage and Operation**
- 📶 **Can Be Mailed Direct to Customer**

The windscreen mounted GS100 is a full featured insurance telematics device. Supporting common requirements for accurate driving behavior data gathering, first notification of loss and pre/post incident accelerometer logging, the GS100 is ready for integration into Telematics Service Provider server systems. The GS100 revolutionizes insurance telematics by removing the dependency on vehicle systems and the costs of professional installation. The GS100 fits neatly into the gap between smartphone data gathering approaches and professional black box installations allowing TSPs and insurance companies to cost effectively address a much larger sector of the insured vehicle market.



Advantages

- Quad band GSM/GPRS 850/900/1800/1900 MHz
- Embedded full featured @Track protocol
- Internal u-blox chipset
- Internal GSM/GPS antennas
- Low power consumption, long standby time with internal battery
- Internal 3-axis accelerometer for power saving and motion detection
- Internal vibrator
- Full power management, can be connected to external DC power

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GSM Specifications

Frequency	Quad band: 850/900/1800/1900 MHz Compliant to GSM phase 2/2+ -Class 4 (2W @ 850/900 MHz) -Class 1 (1W @ 1800/1900 MHz)
GPRS	GPRS multi-slot class 10 GPRS mobile station class B
RMS Phase Error	5 deg
Max Out RF Power	GSM850/GSM900: 33.0±2 dBm DCS/PCS: 30.0±2 dBm
Dynamic Input Range	-15 ~ -108 dBm
Receiver Sensitivity	Class II RBER 2% (-107 dBm)
Stability Of Frequency	< 2.5 ppm
Max Frequency Error	±0.1 ppm

General Specifications

Dimensions	99mm*64mm*15.6mm
Weight	About 120g
Internal Battery	Li-Polymer 3000 mAh 75% charge: 1.5 hours Full charge: 2.5 hours
Standby Time	38 days at 1 hour driving time per day 22 days at 2 hours driving time per day
Charging Voltage	5V DC
Operating Temperature	-20°C ~ +80°C

GPS Specifications

GPS Chipset	u-blox All-In-One GPS receiver
Sensitivity	Autonomous: -147 dBm Hot start: -156 dBm Reacquisition: -160 dBm Tracking: -162 dBm
Position Accuracy (CEP)	Autonomous: < 2.5m SBAS: < 2.0m
TTF (Open Sky)	Cold start: 27s average Warm start: 27s average Hot start: 1s average

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status according to preset time schedules
Geo-fence	Support up to 5 internal geo-fence regions
Power On/Off Report	Report when the device is powered on or off
Low Power Alarm	Alarm when battery is low
SOS/Emergency Alarm	SOS alarm when function key is pressed
Motion Detection	Motion alarm based on internal 3-axis accelerometer
Incident Notification	15 seconds pre/post incident 3-axis accelerometer log
GPS Log	Compressed 1 second GPS log

Interfaces

Power Button	For power on and power off, power off can be disabled by OTA using @Track protocol
GSM/GPS Antennas	Internal only
Indicator LED	GSM, GPS, PWR, battery level
Mini USB Interface	For configuration
DC Jack	For charge

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