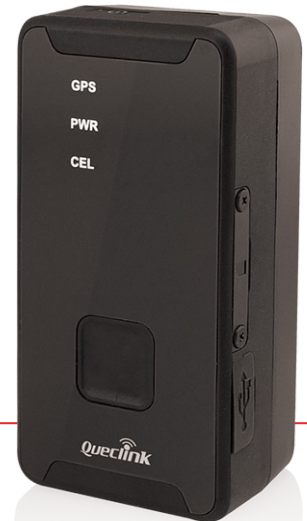


GL3000W Series

WCDMA/GSM Advanced Asset Tracker



- 📶 **Vibration Feedback Confirming Successful Button Operation**
- 📶 **Water Resistant**
- 📶 **Thumb Sized Button Allowing Easier Emergency Alert or Instant Geo-fence Setting**
- 📶 **Full Power Management**

The GL3000W Series are a series of water resistant GPS trackers designed for lone worker, vehicle, pet and asset tracking applications. The thumb sized button makes the series ideal for applications requiring rapid notification of emergency alert or regular setting of geo-fence based on current locations. Their built-in GPS receiver has superior sensitivity and fast time to first fix (TTFF). Their WCDMA allows the GL3000W Series' location to be monitored in real time or periodically tracked by a backend server or other specified terminals. Their built-in 3-axis accelerometer allows motion detection and extends battery life through sophisticated power management algorithms. System integration is straightforward as complete documentation is provided for the full featured @Track protocol. The @Track protocol supports a wide variety of reports including emergency, geo-fence boundary crossings, low battery and scheduled GPS position.

Advantages

- Water resistant
- Embedded full-featured @Track protocol
- Internal u-blox GPS chipset
- Internal WCDMA/GPS antennas
- Thumb sized button allowing easier emergency alert or instant geo-fence setting
- Internal 3-axis accelerometer for power saving and motion detection
- Full power management, can be connected to external DC power or battery



GL3000W Series

Model No.	Region	Technology	Operating Band (MHz)	Certificate
GL3028W	North America	UMTS/HSPA/GSM	GSM/GPRS: 850/1900 UMTS/HSPA: 850(B5)/1900(B2)	FCC/PTCRB/AT&T
GL3048W	Worldwide	UMTS/HSPA/GSM	GSM/GPRS: 850/900/1800/1900 UMTS/HSPA: 850(B5)/850(B6)/900(B8)/1900(B2)/2100(B1)	

RF Specifications

Operating Band	GSM/GPRS: 850/900/1800/1900 MHz UMTS/HSPA: 850(B5)/900(B8)/1900(B2)/2100(B1) MHz
Transmitting Power	GSM/GPRS: 850/900, 33 dBm 1800/1900, 30 dBm UMTS/HSPA: All bands, 23 dBm
HSPA Data Rate	5.6 Mbps upload/7.2 Mbps download
HSPA Fallback	EDGE/GPRS/GSM quad band, EDGE MCS1-MCS9, 3GPP Release 6

General Specifications

Dimensions	77.9mm*39.9mm*26.7mm
Weight	About 93g
Internal Battery	Li-Polymer 2600 mAh
Water Resistance	IPX5 compliant
Charging Voltage	5V DC
External Battery Voltage	3.5V to 4.2V DC
Operating Temperature	-20°C ~ +55°C

Interfaces

Digital Inputs	Two digital inputs One positive trigger for ignition detection One negative trigger input for normal use
Power Button	Power on and power off, can be disabled by the air interface protocol
Function Button With Vibration Feedback	Emergency alert or instant geo-fence
UMTS/HSDPA and GSM Antennas	Internal only
GPS Antenna	Internal only
Indicator LED	CEL, GPS and power
Mini USB Interface	For external power and configuration

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status according to preset time schedules
Low Power Alarm	Alarm when backup battery is low
Geo-fence	Support up to 5 geo-fence regions
Power On/Off Report	Report when the device is powered on or off
SOS/Emergency Alarm	SOS alarm when function key is pressed
Special Alarm	Special alarm based on the digital input
Motion Detection	Motion alarm based on internal 3-axis accelerometer

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
TTFF (Open Sky)	Cold start: 29s average Warm start: 27s average Hot start: 1s average



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