



PULSTRAC **MOBILE-TRACK** **GPRS**

by: Pulsit Electronics (Pty) Ltd



GL300 GPRS MOBILE TRACKING

FEATURES

- Quad band GSM/GPRS 850/900/1800/1900 MHz
- Internal GSM/GNSS antennas
- Internal GSM/GPS antennas
- Thumb sized button allowing easier emergency alert
- Low power consumption, long standby time with internal battery
- Internal 3-axis accelerometer for power conservation and motion detection
- Full power management, can be connected to external DC power or battery
- CE/FCC certified



PULSIT
ELECTRONICS

makes it happen...

PULSTRAC
VEHICLE TRACKING

NCR
National Credit Regulator
NCRCP6702

VESA
MEMBER

ABS
ACCREDITATION-BUREAU FOR
SECURITY AND SAFETY™

Pulsit Electronics... provides best of breed Vehicle Tracking, Fleet Management and on-board telemetry solutions underpinned by next generation GPS/GPRS and GPS/Satellite tracking products, state of the art technology and application specific software for users, unparalleled service, 24/7 Call Centre, Bureau and Stolen Vehicle Recovery Services.



get vital business information at your finger tips



Specifications

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 12
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
GNSS Performance (using GPS and GLONASS)	
GNSS Receiver Type	72-channel u-blox M8 engine
Sensitivity	Autonomous: -147 dBm
Hot start: -155 dBm	
Tracking & navigation: -162 dBm	
Reacquisition: -160 dBm	
Position Accuracy	Autonomous: 2.5m CEP
SBAS: 2.0m CEP	
TTFF (Open Sky)	Cold start: 30s average
Warm start: 28s average	
Hot start: 1s average	
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
GSM/GNSS Antennas	Internal only
Indicator LED	GSM, GPS and battery status
Mini USB Interface	For external power and configuration
General Specifications	
Dimensions	68.5mm * 38.5mm * 23.5mm
Weight	60g
Battery	Li-Polymer 1300 mAh, 3.7V
Standby Time	Without reporting : 400 Hours
5 minutes reporting : 140 Hours	
10 minutes reporting : 180 Hours	
Water Resistance	IPX5 compliant
Charging Voltage	5V DC
External Battery Voltage	3.5V to 4.5V DC
Operating Temperature	-20°C ~ +55°C
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
Special Alarm	Special alarm based on digital input
Motion Detection	Motion alarm based on internal 3-axis accelerometer



1 SIM Card Port



2 Charging Port



4 Power Button

3 Function Key (Panic Button)



LED Status Indicators

Power

GSM (Cellular)

GPS Satellites



- Web-based MS-Track software for mobile out-of-office asset monitoring and management with most of the important management tools that the desktop version offers



- I-pad, I-phone and Android mobile software with vital vehicle information and reports at the press of a button

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