

G1S™ GPS/GSM Tracker

New Asset/Covert GPS Tracker



The G1S GPS/GSM asset tracking unit offer innovative technology and features to make it first choice.

REPLACEABLE OR CHARGEABLE BATTERY

G1S has unique design and power standard which allows users to chose between replaceable or chargeable batteries. Powered by CR123 replaceable batteries with total capacity of 6000mah which have enough juice to send one message a day for three years. G1S is designed in such a way that it can also take the rechargeable batteries and can be charged via external power connector.

OVER THE AIR

The G1S is powered by over-the-air device management and maintenance system, (Programming, Updates, and Logistics System). FOTA (Firmware update over the air), GSM Jamming detection and 28 hardware based geo-fences makes this the perfect choice for superior safety and security of your vehicle.

EXTENDED BATTERY PACK

G1S unique design allow to take many more extended battery packs as per requirement easy attach and detach feature fulfill industry demand for long lasting batteries with extra juice to consume.

GICUS™ (Gosafe Installation Configuration Update System)

G1S is equipped with GICUS agent to remotely manage device firmware and configuration. It gives liberty to look all the history of firmware and configuration applied of said unit.

Features of G1S

- 6000mAh Replaceable Battery
- Rechargeable Batteries (Optional)
- Bluetooth 4.0 EmbeddedExtended
- Power Pack
- Can work more than 3 years
- Quad Band GSM Modem
- 3G Modem Optional
- FOTA (Firmware Update OTA)
- Flexible Programming Rules
- HDOP/VDOP for Precise Location
- Multiple Data Upload Modes
- Intelligent Power Management
- Configurable Inputs & Outputs
- Conditional Based Profiles
- 28 Day, Time & Speed based Geo-Fences
- 128 Way points for delivery management

Specification of G1S

General

Communication Modes	GPRS/EDGE and TCP/UDP/SMS
Location Technology	50 Channels GPS
Operating Voltage	3~5V DC

GPS

Location Technology	50 Channel Ublox GPS (with SBAS) GPS L1 C/A Code SBAS, WAAS, EGNOS, MSAS
Accuracy	SBAS 2.0m CEP
Tracking Sensitivity	-162dBm
Antenna	Patch internal
Assist GPS	Supported

Cellular

Data Support	SMS, TCP, UDP
GSM/GPRS Quad Band	850/900/1800/1900 MHz
3G Dual Band US	850/1900 MHz (Optional)
3G Dual Band EU	900/2100 MHz (Optional)
GSM/GPRS Output Power	Class 4 (2W) for 850 / 900 bands Class 1 (1W) for 1800 / 1900 bands
GSM/GPRS Fallback	GPRS Class 10
HSPA Data Rate	5.76Mbps UL/7.2Mbps DL (Optional)
SIM Card	1.8/3.3 V

Input/Outputs

Status LEDs	GPS, Cellular, Power
Light Sensor	Detect Detach
Charging Cord	Two point charging Cord
Digital Inputs	1 Digital input (Optional)

On Board

CPU	ARM Cortex M3
Flash Memory	4Mbit (8000 records)
3D Accelerometer	On Board
Bluetooth 4.0	On Board
Light Sensor	On Board
Power On/OFF	Switch On Board

About Gosafe

Gosafe is a dynamic leader in GPS Fleet Management products and services. Gosafe Company Ltd. was incorporated 1999. The Company was created to develop and distribute hardware and software solutions that utilize existing wireless network infrastructures to provide web-based vertical applications to commercial customers and consumers. Gosafe has Strategic Partners in Mobile Hardware Manufacturing, Mapping, Software Development, Wireless Data Services and Product Distribution, Products and Services.

Our competence of adaptability has enabled our products to enjoy substantial success in heterogeneous markets like America, Europe, Middle East, Asia and Africa. We have prosperously sold our products across more than 100 countries of the world. The methodology of our time-tested procedures has endowed us to provide our customers with products of consistent quality and has enabled us to meet the challenging time-lines offered by the customers. By virtue of this, today, we enjoy an outstanding market reputation and a dignified stance among our competitors.

Electrical

Operating Voltage	3-5V
Power Consumption	150µA 3.5V (Sleep) 300µA 3.5V (Power Save) 100mA 3.5V (Active Tracking)
Replaceable Battery	CR123 x 4 (6000mAh)
Rechargeable Battery	LI-PO (4000mAh) (Optional) Battery Recharging Range is 0 to +45°C

Physical

Dimensions	96(L) x 50(W) x 31.5(H)mm
Weight	140g (with Lithium battery) 160g (With Li-Po Battery)

Environmental

IP Rating	IP67
Operating Temperature	-40 ~ +60°C (with CR123 Battery) -10 ~ +50°C (with CR123A Battery)
Humidity	100%RH @ 50°C non-condensing
Shock & Vibration	U.S. Military Standards 202G and 810F, SAE J1455
EMC/EMI	SAE J1113; FCC-Part 15B
RoHS	Compliant (Optional)

Connectors, SIM Card Access

Connector Type	4 Pin
Serial to USB	1 USB (configuration/debug/optional)
Power Switch	Device Power ON/Off Switch
GPS Antenna	Internal
GSM Antenna	Internal
SIM Card	Internal (Embedded SIM optional)

Optional

- Rechargeable Version
- Rechargeable Extended Battery
- Cable with Power Connections
- Magnet Holder
- Wireless Door Sensor (Coming Soon)
- Wireless Temperature Sensor (Coming Soon)
- Wireless Relay (Coming Soon)

Key Features

- IP67 Water & Dust Proof Design
- Quad Band GSM/GPRS modem
- Packet data (TCP/IP, UDP or TCP/IP + UDP) & SMS support
- Internal GSM Antenna for better security
- User Profiles for controlling via SMS
- GSM jamming detection
- High Sensitive GPS engine
- Internal antennas option
- GPS and Glonass support
- Low power consumption in sleep mode
- Day, Time and speed based geo-fences
- 128 Way points
- Main and backup battery voltage management
- Event management & output configuration
- Combine events and configuration
- Multiple profiles for different conditions
- FOTA (Firmware update over the air)
- OTA device configuration