The G6S GPS fleet tracking unit offers innovative technology with flexible programming rules to make it the first choice for fleet.

**HIGHEST ROI WITH INNOVATIVE TECHNOLOGY**

G6S is designed for service providers, integrators, and enterprise customers to enhance mobile resources and improve their dispatch system; the G6S is a dependable quad-band GSM/GPRS tracking device, delivering the key features fulfilling the most demanding applications: fleet management, insurance telematics, dispatch, vehicle location and recovery, and more.

**OVER THE AIR**

The G6S 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 make this the perfect choice for superior safety and security of your vehicle.

**Fleet Management easier with Gosafe GICUS**

Controlling a large quantity of vehicles, their relevant telemetry and operator SIMs can be a challenge. Gosafe’s GICUS combined with the use of embedded SIMs can greatly reduce the cost of these procedures and provide the security that the devices are constantly monitored for correct functioning and updated with correct configuration and firmware.

**Features of G6S**

- Quad Band GSM Modem
- 2G/3G Modem Versions
- FOTA (Firmware Update OTA)
- Flexible Programming Rules
- 1-Wire® Interface
- HDOP/VDOP for Precise Location
- Driving Behavior
- GSM Jamming Detection
- Multiple Data Upload Modes
- Intelligent Power Management
- Multiple Inputs & Outputs
- Configurable Inputs & Outputs
- Conditional Based Profiles
- Internal Backup Battery
- 28 Day/Time/Speed based Geo-Fences
## Specification of G6S

### General
- **Communication Modes**: GPRS/EDGE and TCP/UDP/SMS
- **Location Technology**: 50 Channels GPS
- **Operating Voltage**: 12 and 24 volt vehicle systems

### GPS
- **Location Technology**: Ublox GPS (with SBAS), Telit SL869 Glonass (Optional)
- **Accuracy**: SBAS 2.0m CEP
- **Tracking Sensitivity**: -162dBm
- **Antenna**: Patch internal (external optional) Supported

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

### Input/Outputs
- **Digital Inputs**: 2 Digital inputs, One dedicated wire for Ignition, One configurable input to negative trigger
- **Ignition Sense**: digital input or analog input
- **Programmable Input**: One dedicated analog input
- **Analog Input**: Two digital outputs, open drain, 300mA drive current max
- **Digital Output**: One digital output with internal latch circuit, open drain, 150mA drive max
- **Latched Digital O/P**: 2 differential outputs, 1 audio input
- **Two-way Audio**: One RS232 serial port for external devices
- **Serial Port**: 1 wire interface (Driver ID)
- **1-Wire Solution**: GPS, Cellular, Power
- **Status LEDs**: 16 Pin Molex, Tie Wrap, Velcro or adhesive

### On Board
- **CPU**: ARM Cortex M3
- **Flash Memory**: 4Mbit (8000 records)
- **2D Accelerometer**: 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**: 8-32V DC operational for 12V & 24V, Vehicle support per SAE J1455
- **Power Consumption**: 3mA 12V (Sleep), 70mA 12V (Power Save), 100mA 12V (Active Tracking)
- **Backup Battery**: LI-PO 250mAh (Optional), Battery Recharging Range is 0 to +45ºC

### Physical
- **Dimensions**: 80(L) x 52(W) x 26(H)mm
- **Weight**: 80g (Without Battery)

### Environmental
- **Operating Temperature**: -40 ~ +85ºC (without Backup Battery), -10 ~ +50°C (with Backup Battery)
- **Humidity**: 95%RH @ 50°C non-condensing
- **Shock & Vibration**: U.S. Military Standards 202G and 810F, SAE J1455
- **EMC/EMI**: SAE J1113; FCC–Part 15B Compliant (Optional)

### Connectors, SIM Card Access
- **Connector Type**: 16 Pin Molex, 1 Mini USB (configuration/debug)
- **Power Switch**: Device Power ON/Off Switch
- **GPS Antenna**: Internal or External SMA
- **SIM Card**: Internal or External SMA

### Mounting
- **Tie Wrap, Velcro or adhesive**

### Key Features
- 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 or external antennas option
- GPS and Glonass support
- Low power consumption in sleep mode
- Back up battery option
- 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
- 1-Wire data for driver management and movement restriction
- Temperature sensor via 1-wire data
- FOTA (Firmware update over the air)
- OTA device configuration

### Optional
- External GPS Antenna
- Backup Battery
- Garmin FMI interface
- 1-Button Dallas key
- Temperature sensor
- RFID Card reader