

# G1RUS™ AssetTracker

## New Asset/Trailer GPS Tracker

Gosafe®



Distribuito da

 **IoT Solution**

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### ASSET OR TRAILER TRACKING

The G1RUS Cellular Asset Tracker enables equipment managers to reliably view trip details and location for powered portable equipment in reliable, multi-year deployments. The device can work many months even without power which make it ideal solution for the trailer or asset tracking industry. It is easy to switch between the 12 reporting modes by a single command or can define your own reporting frequency based on the use case.

### OVER THE AIR

The G1RUS 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 asset.

### RUGGED AND MULTIPLE INSTALLATION OPTION

G1RUS rugged design with can bear harsh environment and offers multiple installation options. It can be installed with screws or bolts or can be installed with magnet shell. It makes G1RUS a complete solution for covert tracking, asset tracking and trailer tracking.

### GICUS™ (Gosafe Installation Configuration Update System)

G1RUS is equipped with GICUS agent to remotely manage device firmware and configuration. It gives liberty to look up all the history of firmware and configuration applied of the said unit.

## Features of G1RUS

- Rechargeable Batteries (5000mAh)
- Can work more than 8 months without power
- Quad Band GSM Modem
- 3G Modem Optional
- LTE CAT-M1/CAT-1 Optional
- FOTA (Firmware Update OTA)
- 12 Pre-programmed modes
- 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

## General

Communication Modes	GPRS, HSPA, LTE and TCP/UDP/SMS
Location Technology	56 Channels GPS
Operating Voltage	4.5~6V DC

## GPS

Location Technology	56 Channel Ublox GPS (with SBAS) GPS L1 C/A Code SBAS L1C/A Glonass L1OF	
Accuracy	SBAS	2.5m CEP
Tracking Sensitivity	-162dBm	
Cold Start	29 Sec	
Hot Start	1 Sec	
Antenna	Patch internal	
Assist GPS	Supported	

## Cellular

Data Support	SMS, TCP, UDP	
GSM/GPRS Quad Band	850/900/1800/1900 MHz	
3G Hexa Band	B1, B2, B5, B6, B8, B19 (Opt)	
LTE CAT1	B1,B2,B3,B4,B8,B17,B20 (Opt)	
LTE CAT M1/NB/2G	B2/B3/B4/NB5/B8/B12/B13/B20./B28 (Opt)	
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 (Opt)	
LTE Data Rate	5Mbps UL/10Mbps DL (Opt)	
SIM Card	1.8/3.3 V	

## Input/Outputs

Status LEDs	GPS, Cellular, Power
Charging Cord	2 point charging Cord
Digital Inputs	1 Digital input
Digital Outputs	1 Digital output
Serial Port	1 Serial port(TTL)

## On Board

CPU	ARM Cortex M3
Flash Memory	4Mbit (8000 records)
3D 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	3.7-4.2V
Power Consumption	50µA 3.7V (Sleep) 50mA 3.7V (Active Tracking)
Rechargeable Battery	Active tracking: 200mA Power saving: 12mA Deep sleep: 10µA

## Standby Time

TCP Reporting	1 Message a day 240 days or more 4 Message a day 150 days or more 1 Hour Reporting 35 days or more
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## Physical

Dimensions	100(L) x 55(W) x 32(H)mm
Weight	260.5g (with Lithium battery) 260g (With CR123 battery)

## Environmental

IP Rating	IPX7
Operating Temperature	-40 ~ +70°C (CR123 Battery) -40 ~ +70°C (Rechargeable 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	6 Pin
Serial to USB	1 USB (configuration/debug/optional)
GPS Antenna	Internal
GSM Antenna	Internal
SIM Card	Internal(Embedded SIM optional)

## Optional

- G1RUS-3G (HSPA Version)
- G1RUS-LTA (LTE CAT-1 AT&T and TMO)
- I/O Connector Pack
- Magnet Enclosure
- Fixed installation Enclosure

## Key Features

- IP67 Water & Dust Proof Design
- Quad Band GSM/GPRS modem
- HSPA Hexa Band Modem (Optional)
- LTE CAT-1 AT&T and TMO (Optional)
- Packet data (TCP/IP, UDP or TCP/IP + UDP) & SMS support
- Internal GSM Antenna for better security
- User Profiles for controlling via SMS
- High Sensitive GPS engine
- GPS and Glonass support
- Low power consumption in sleep mode
- 128 Way points
- Event management & output configuration
- Combine events and configuration
- Multiple profiles for different conditions
- FOTA (Firmware update over the air)
- OTA device configuration