

GOSAFE

G1RUS-LB

ASSET TRACKER



APPLICATIONS



Transportation
And Logistics



Heavy Equipment
Management



Long-distance
Transportation



Asset
Management

Gosafe®

your trusted partner

G1RUS-LB ASSET TRACKER

KEY FEATURE

- LTE, 3G, 2G
- 5000mAh rechargeable Battery
- Configurable Inputs & Outputs
- Intelligent Power Management
- Multiple Data Upload Modes
- 28 Day, Time & Speed based Geo-Fences

YOUR BENEFIT

- Get visibility of your asset
- Improves efficiency and productivity
- Reduces fuel and operational expenses



ASSET TRACKER

G1RUS is a highly compact IP67 design asset tracking device with a large rechargeable battery that can last for months with one position a day. The power management of G1RUS is developed so that the user can choose between 12 different modes of reporting based on requirements or define his own set of rules. It can be installed by protecting mounting or magnets.

Features



4G connectivity with
fallback 2G



WiFi Location



Bluetooth 4.2
for sensor



Easy magnetic
install



low power
consumption



Installation with wire
or without

SPECIFICATIONS

GENERAL

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

CELLULAR

Data Support	SMS, TCP, UDP
LTE CAT-1	B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 17/ 18/ 19/ 20/ 25/ 26/ 28/ 66
LTE Power	Class 5 (20dBm)
LTE Data	CAT-1: DL: 10Mbps, UL: 5Mbps
GSM/3G	850/900/1800/1900 Mhz
GPRS Power	Class 10
SIM Card	1.8/3.3V

INTERFACE

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)

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 (4FF)

ON BOARD

CPU	ARM Cortex M3
Flash Memory	4Mbit (8000 records)
3D Accelerometer	On Board

PHYSICAL

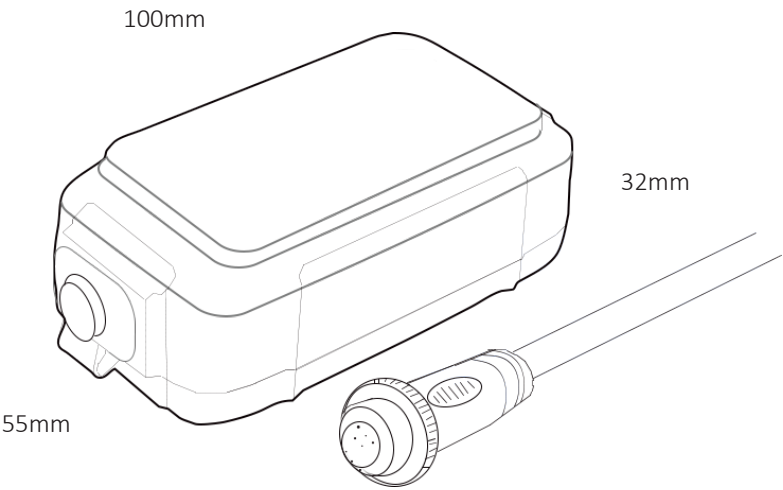
Dimensions	100(L) x 55(W) x 32(H)mm
Weight	260.5g (with Lithium battery) 260g (With CR123 battery)

GPS

Location Technology	GPS Engine GPS/Glonass/Galileo/BeiDou GPS/QZSS L1 C/A, Glonass L10F BeiDou B1, Galileo E1 B/C SBAS L1 C/A: WAAS, EGNOS, MSAS, GAGAN
Concurrent GNSS	3
Update Rate	1 Hz
Channels	56
Tracking sensitivity	-167dBm
Cold Start Open Sky	30S
Aided Start	2S
Reacquisition	1S
Assisted GPS	Supported
Antenna	Patch Internal

ELECTRICAL

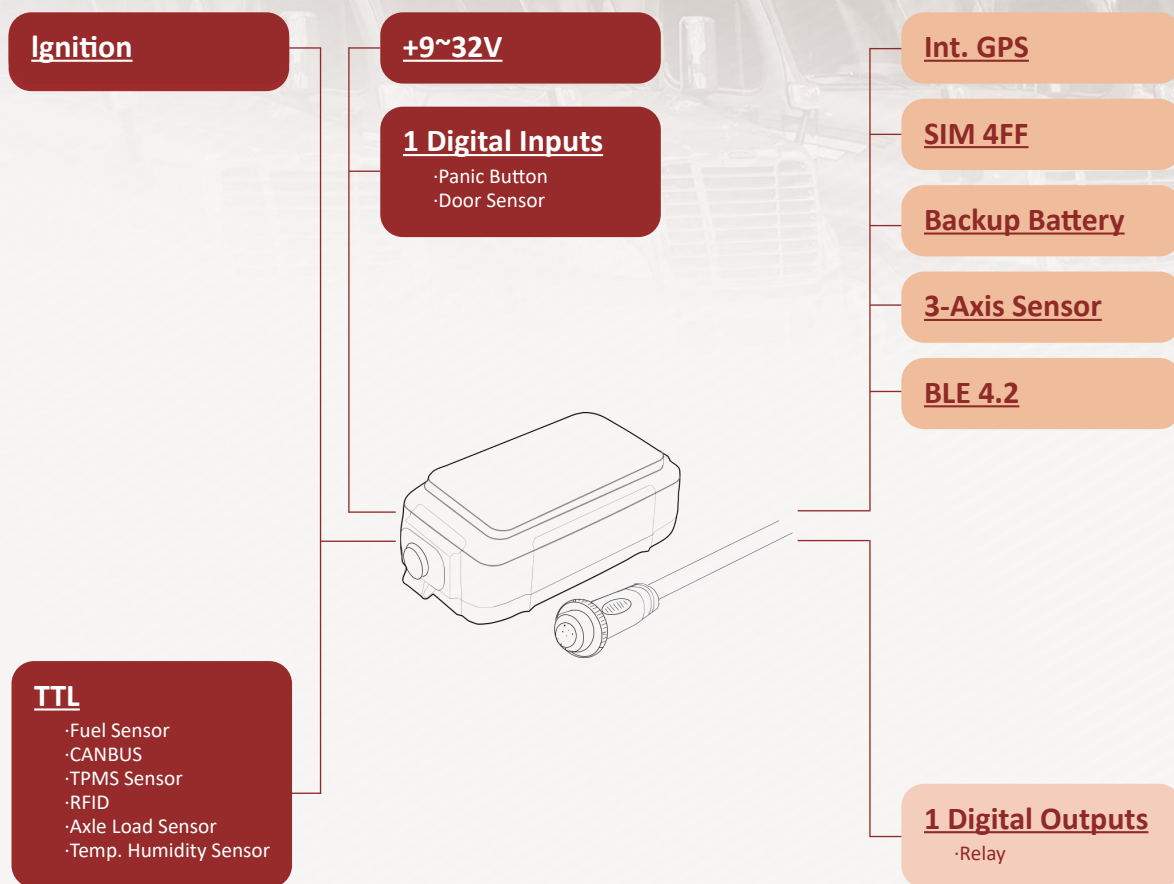
Operating Voltage	3.7-4.2V
Power Consumption	50µA 3.7V (Sleep) 50mA 3.7V (Active Tracking)
Replaceable Battery	Active tracking: 200mA Power saving: 12mA Deep sleep: 10µA
Backup Battery	LI-PO 5000mAh Battery Recharging Range is 0 to +45°C



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)

Applications



Ordering Models

Model	Connectivity	Region
G1RUS LB-LTA	LTE CAT-1	LATAM Version
G1RUS LB-LT	LTE CAT-1	EMEA-ANZ Version
G1RUS LB-LTE	LTE CAT-1	NA Version
G1RUS LB-LTM	LTE CAT-M	NA Version

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