



# THE GT2c

THE WORLD'S MOST RUGGED  
**CELLULAR**  
SOLAR ASSET TRACKER



**GT2c: GLOBAL ASSET TRACKER - RUGGED CONSTRUCTION. LONG LASTING POWER. VERSATILE APPLICATION.**

Introducing the GT2c GPS cellular tracker, the latest in Geoforce's industry-leading line of rugged industrial grade field asset tracking devices. The GT2c operates on LTE-M low-power cellular IoT networks. Its Bluetooth Low Energy capability supports wireless sensors and mobile device connectivity. Combining the long life delivered by solar power with the reliability of a battery backup, the intrinsically safe GT2c provides asset visibility in the most challenging conditions – even when sunlight is scarce. Its rugged design carries on the Geoforce legacy for tough and reliable devices to give you confidence your data will be available when you need it, year in and year out. Combining advanced wireless technologies and smart power management, the GT2c is the most reliable global asset tracking device ever produced.

## TRACK AND TRACE



**CONTAINERS**



**RENTAL EQUIPMENT**



**ROLL-OFFS**



**TRAILER CHASSIS**



**TRAILERS**



**CARGO UNITS**



**BULK CONTAINERS**



**WASTE DISPOSAL BINS**

**AND MORE...**

## KEY PRODUCT FEATURES

### The toughness of Geoforce.

- **ATEX/IECEx Intrinsically Safe Device** – Certified for use in Zone 0 hazardous environments
- **Extremely Rugged and Reliable** – fully sealed design for long-lasting operation in the world's harshest environments

### The long life of solar.

- **Up to 10 years** – operational service life
- **Dual-Powered** - Solar rechargeable solar batteries coupled with a high-capacity non-rechargeable battery backup system provide a higher-degree of asset visibility assurance in situations where sunlight is limited or nonexistent

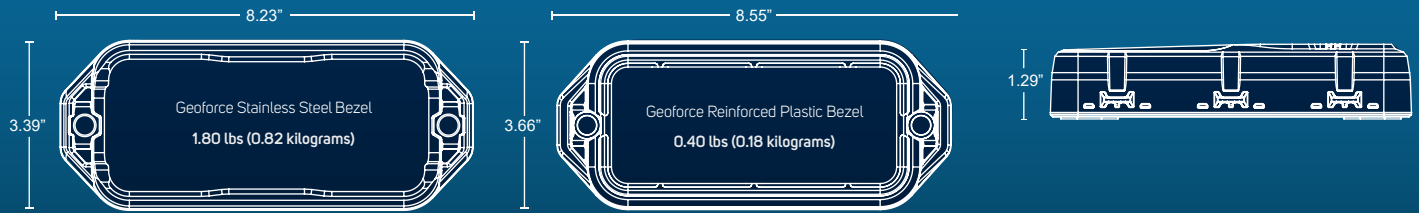
### The versatility you demand.

- **2-way Communication** – on LTE-M networks well suited for critical data and alerts, along with remote device access and configuration when it's needed
- **Indoor Proximity Tracking** – enhanced location indoor asset tracking
- **Geoforce Software Compatible** – including Geoforce Device Manager and Mobile Field Tool software applications to support device installation, configuration, and ongoing management
- **Quick & Easy Installation** – installs in minutes on nearly any asset

## PHYSICAL

Dimensions: Length 6.5 in x Width 2.8 in x Height 1.3 in  
(164.2 mm x 71.2 mm x 32.9 mm)

Device Weight: 1.2 lbs (0.54 kilograms)



## ENVIRONMENTAL STANDARDS

|  |  |
|--|--|
| <b>Operating Temperature:</b>                | -40°F to 185°F (-40°C to 85°C)   |
| <b>Intrinsic Safe Operating Temperature:</b> | -40°F to 149°F (-40°C to 65°C)   |
| <b>Recommended Storage Temperature:</b>      | 41°F to 77°F (5°C to 25°C) for best results  |
| <b>IP Rating:</b>                            | IP68 to 165ft (50m) and IP69K  |
| <b>High Temp Resistance:</b>                 | MIL-STD-810G: 501.5 IEC60068-2-2 to 185°F (85°C)   |
| <b>Low Temperature Resistance:</b>           | MIL-STD-810G: 502.5, IEC60068-2-1 to -58°F (-50°C)   |
| <b>Combined Thermal / Humidity Exposure:</b> | MIL-STD-810G: 507.5, 20-95%RH up to 140°F (60°C)   |
| <b>Solar Radiation Exposure:</b>             | UL746C F1, ASTM-G154 to 1.0 year   |
| <b>Salt Fog Exposure:</b>                    | MIL-STD-810G: 509.5 IEC60068-2-11 to 1000 hours  |
| <b>Atmosphere Resistance:</b>                | ASTM D543-95, MIL-STD-810G: 518.2  |
| <b>Combined Operating Temp / Altitude:</b>   | MIL-STD-810G: 500.6 to 15000 ft (4570m)  |
| <b>Thermal Shock:</b>                        | MIL-STD-810G: 503.5, 20 cycles between<br>-40°F to 185°F (-40°C to 85°C) < 1min transition   |
| <b>Impact Resistance:</b>                    | ASTM D3763   |
| <b>Operational Vibration:</b>                | MIL-STD-810G: 514.7, IEC60068-2-80 to 7.5Grms<br>Random (5Hz-2000Hz)                         |
| <b>HALT:</b>                                 | HALT testing guideline 993-0336 to 50Grms<br>(5Hz - 10000Hz, -40°F to 185°F [-40°C to 85°C]) |
| <b>Mechanical Shock:</b>                     | MIL-STD-810G: 516.7 to 300Gpk  |

Your teams and your equipment work in demanding environments. Your asset tracking technology needs to keep up. Armed with data from the edge of your operations, you can make better decisions and deliver better results. That's why at Geoforce we purpose-build rugged asset tracking devices and software trusted by the hardest working teams in the toughest environments anywhere.

## CERTIFICATIONS

FCC: Part 15, Part 25  
 Industry Canada (IC): RSS-210, 247, ICES-003 Class B  
 EU: RED Directive 2014/53/EU, RoHS Directive 2011/65/EU, REACH Regulation EC 1907

### Ordinary Locations Safety

IEC62368-1, UL 62368-1, CSA C22.2#62368-1, UL 60950-22, CSA C22.2#60950-22

## CELLULAR NETWORK

LTE-M Bands Supported:  
 1-5, 8, 12-14, 17, 20, 25, 26, 28 and 66

### Store and Forward Feature

In instances where the device's LTE-M Power Save Mode (PSM) feature is not supported by a specific cellular network, messages will be stored on the GT2 device and then forwarded to the Geoforce cloud every 4 hours to preserve battery life. Once the device moves to an area where the LTE-M PSM feature is supported, the device will resume regular reporting.



**ATEX:** EN 60079-0, EN 60079-11  
 CE II 1 G EX ia IIC T4 Ga  
 -40°C ≤ Ta ≤ 65°C, IP68

**IECEx:** IEC 60079-0, IEC 60079-11  
 Ex ia IIC T4 Ga  
 -40°C ≤ Ta ≤ 65°C, IP68

### OSHA and USA Hazardous Location Classification:

UL 60079-0, UL 60079-11, UL 913  
 Class I, Division 1, Groups A-D, T4  
 Class I, Zone 0, AEx ia IIC T4 Ga  
 -40°C ≤ Ta ≤ 65°C, IP68

### Canada Hazardous Location Safety:

CSA 22.2 No. 60079-0,11, No. 157-92  
 Class I, Zone 0, Ex ia IIC T4 Ga  
 -40°C ≤ Ta ≤ 65°C, IP68

## POWER MANAGEMENT

Up to 10-year operational service life. The backup battery capacity provides 2 times per day reporting for up to 5 years with limited solar availability.

In storage, with the magnet installed, the backup battery will deplete at approximately 6% per year.