## Applications

Intermodal shipping containers  
All doors with ISO standard* Locking Gear

*34mm diameter vertical locking bar

## Key features

- Automatic activation
- Activation, Tamper, Removal and opening alerts
- Prevents Locking gear manipulation without removal
- Prevents Left hand door pull past Seal independent
- Configurable reporting schedules
- Fully reusable

## Specifications

<table>
<thead>
<tr>
<th>Communications</th>
<th>Dimensions</th>
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</thead>
<tbody>
<tr>
<td>3G GPRS Modem</td>
<td>Weight 1650g</td>
</tr>
<tr>
<td>6-band WCDMA (UMTS) and quad-band</td>
<td>L315mm X W160mm X D50mm</td>
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<tr>
<td>GPRS/EDGE LISA-U2 suitable for networks worldwide.</td>
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<tr>
<td>Data-rates of up to 21.1 Mb/s</td>
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<tr>
<td>UbloxLISA-U200 5.76 7.2 800/850/900/1700/1900/2100</td>
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<tr>
<td>Extended temperature range: -40 to +85°C</td>
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<tr>
<td>Optimised Taoglas PA.710.A Antenna</td>
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**Protection** IP67
### Positioning
- GTops Gmm-g3
- Autonomous GPS, GLONASS
- Sensitivity -165dBm
- Instant TTFF (Time to First Fix)

### Power
- Rechargeable Li-Ion 9300mAh battery
- Recharging through IP68 mini USB port
- Charging via mains USB charger (1Amp) or PC (500mA)
- Power Usage System quiescent current per day: 0.00035A
- System total current per day (1 report): 0.0173667A
- Estimated max reporting period at minimum daily reporting interval: 1.5yrs

### Materials
- Steel
- UV Stable SBS copolymer for impact resistance

### Reporting Settings
- Scheduled from hourly to daily
- Motion from 5min to hourly (when moving)
- Aggregated motion with position fix from 2min aggregated into packets sent up to every hour
- Continued reporting after opening (Post Alert reports)
- OTA, SMS and USB reconfiguration options

### Alerts
- **Device generated**
  - Activation, Opening, Removal, Tamper, Battery Low
- **Platform Generated**
  - Zone and location based
  - Route and Route deviation based
  - Proximity to location

### Additional data supplied
- Battery V, Battery %, Roll, Pitch, G, Motion Start, Motion Stop, Lat/Long, Time of report generation, Time of report delivery

### Memory
- 32Mbit Flash for unsent reports with 20year retention
- On board data logging available via micro SD card with up to 4GB storage