GT 1110
Solar-powered asset tracking.

Complete, real-time visibility of fixed and mobile assets anywhere—with no maintenance and no battery changes.

The GT 1110 enables complete visibility of fixed and mobile assets in some of the world’s most isolated locations. As part of a comprehensive solution that incorporates sensors, applications and global satellite connectivity, the GT 1110 connects you to remote assets for improved operational efficiency, added security and reduced costs.

The GT 1110 is available as a satellite device, transmitting over the IsatData Pro network.

ORBCOMM’s GT 1110 is powered by solar rechargeable batteries for low power consumption and long service life in the field. The device operates autonomously and requires minimum maintenance and no battery changes.

**Real-time communications**
Uninterrupted, low-latency satellite connectivity makes the GT 1110 solution ideal for critical applications that require real-time communications with field assets. Quickly respond to issues before they escalate with 24/7 monitoring and alerts.

**Built to last**
The GT 1110 is built to withstand extreme conditions, including low and high temperatures, water, dust, shock and vibration. A powerful built-in solar panel ensures continuous operation even with limited sun exposure.

**Easy installation and removal**
An integrated antenna and magnetic mount simplify installation and removal to support both permanent and temporary asset management applications—container, trailer and railcar tracking, maritime vessel and buoy monitoring, and more.

**A comprehensive solution**
In addition to asset location and status, the GT 1110 solution works with sensors on trailers and containers to deliver door and cargo status notifications as well as temperature reports and alerts. A security cable is also available for intrusion detection and theft deterrence.

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**Global satellite connectivity**

**Solar-powered**

**Long service life with no battery changes**

**Compact and easy to install and remove**

**Rugged enclosure**

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CONNECTING THE WORLD’S ASSETS
**Satellite Communications**
- Two-way, global, Inmarsat IsatData Pro

**Functionality**
- Heartbeat position reports
- Start/stop event reports
- Geofence crossing event reports
- Door open/close event reports
- Temperature threshold crossing event reports
- Cargo status event reports
- All status reports
- GT 1110 inputs can be used for sensing events from customer-provided sensors other than door and temperature sensors.

**Certification**
- Regulatory: CE (R&TTE, RoHS 2, RED), FCC, IC
- Others: Inmarsat Type Approval

**Electrical**
- Input voltage: 9 to 32V; load dump protection: +174V; SAE J1455
- Power consumption (typical average @12V DC, 22°C):
  - Transmit: 750 mA;
  - Sleep : 160 μA

**Dimensions**
- 107 mm x 338 mm x 25 mm

**External interfaces**
- Door sensor – wired DS 100, wireless (BLE) DS 300
- Temperature sensor – wired, wireless (BLE) TS 300 (pending)
- Cargo sensor – SC 200, CS 210

**Accessories**
- Security cable

**Integrated GPS**
- Acquisition: cold 27s, hot 1s
- Accuracy: 2.5 m CEP
- Sensitivity (acquisition/tracking): -159 dBm/-164 dBm

**Applications**
- DeviceCloud
- CargoWatch

**Accelerometer**
- 3-axis accelerometer

**Environmental**
- Operating temperature: -40°C to +85°C
- Battery operating temperature: -40°C to +70°C
- Dust and water ingress: IP67
- Vibration: SAE J1455, MIL-STD-810F
- Shock: MIL-STD-810F

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