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.

Global satellite connectivity

Solar-powered

Long service life with no battery changes

Compact and easy to install and remove

Rugged enclosure

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 × 338 mm x 25 mm

External interfaces
- Door sensor – wired DS 100, wireless (BLE) DS 300
- Temperature sensor – wired, wireless (BLE) TS 300
- 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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ORBCOMM (Nasdaq: ORBC) is a global leader and innovator in the industrial Internet of Things, providing solutions that connect businesses to their assets to deliver increased visibility and operational efficiency. The company offers a broad set of asset monitoring and control solutions, including seamless satellite and cellular connectivity, unique hardware and powerful applications, all backed by end-to-end customer support, from installation to deployment to customer care. ORBCOMM has a diverse customer base including premier OEMs, solutions customers and channel partners spanning transportation, supply chain, warehousing and inventory, heavy equipment, maritime, natural resources, and government. For more information, visit www.orbcomm.com.

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