GT 1100-CTS

Chassis Tracking Solution

Improve utilization and management of your chassis fleet with real-time location and load status data.

ORBCOMM's chassis tracking solution features the GT 1100 solar-powered device combined with the powerful PS 100 proximity sensor and a custom mounting bracket. The GT 1100-CTS solution provides accurate chassis location and timely load status information, so you can determine whether the container is mounted or unmounted as it moves through the supply chain. Our chassis tracking solution helps you maximize asset utilization, optimize turn times, generate accurate bills and improve lane and yard planning.

Quick and easy installation

The ruggedized GT 1100-CTS and PS 100 can be easily installed on any chassis. Its low profile and sleek form factor enables covert installation, protecting the device and the proximity sensor from contact with the container during loading.

ORBCOMM's GT 1100-CTS connects to both the tractor's power source as well as the device's solar rechargeable battery for uninterrupted and reliable service.This dual-power source ensures efficient messaging and long service life in the field, providing you with a reliable solution that costs much less over time.

Complete visibility and control

ORBCOMM's GT 1100-CTS chassis tracking solution includes the comprehensive CargoWatch® web application for comprehensive device management. This state-of-the-art application delivers near-real-time alerts on chassis location, geofence access, status change events (bare or mounted) and historical reporting for complete visibility and enhanced operational efficiency.

Chassis management on the go

The ORBCOMMmobile app makes it possible for you to manage your chassis fleet on the go, from any mobile device. Track location, monitor status and manage alerts right from the palm of your hand. Available for iOS and Android.

Improved asset recovery

Enhanced asset utilization

Quicker turn times

Improved lane and yard planning

Uninterrupted and realiable connectivity

Long service life

Quick and easy installation

Mechanical
· 114.3mm × 337.8mm x 25.4mm

Electrical
· Input voltage: 9 to 12 VDC
· Input current
  » *Transmit mode: 1.6 A*
  » *GPS on: 35 mA*
  » *Receive mode: 70 mA*
  » *Sleep mode, standby: 10 µA*
  » *Sleep mode, deep: 3 µA*
· Load dump protected

Certification
· FCC: CFR 47, Part 25 and 15
· CE: EN 301 721, EN301 489-20, EN300 832
· Industry Canada
· ANATEL
· PTCRB
· RoHS

Vibration
· MIL-STD-810E, tracked vehicle and aircraft
· EN 300 721 (IEC Pub. 68-2-36)
· SAE J1455, cab mounted & transverse axis radiated

Communications
· Cellular communication
  · HSPA
  · CDMA
  · GPRS
· Satellite communication
  · Two-way global, ORBCOMM

Environmental
· Temperature SAE J1455
  · Operating: -40C to +70C
  · Storage: -50C to +85C
· IP67 rated

External Interfaces (vary by model)
· Interfaces: 16b A/D (4), CAN (1), GPIO (4), Serial: (1) RS-232 (1) RS-485, (1) USB
· GPS: Rapid TTF via ORBCOMM-provided ephemeris
· SAE J1455 off-road compliant
· Accelerometer: 3 axis

Battery
· Lithium-ion cell
· Capacity: 5300 mAh
· Life expectancy without recharging: 45 days at 15-min reporting. One hour of sunlight provides 50 additional messages.

PS 100 Specifications

Mechanical
· 193mm × 96.5mm x 97mm with bracket and 425 g

Mounting
· Bracket on plywood or metal

Environmental
· Operating temperature: -30C to +70C
· Storage temperature: -40C to +85C

Vibration
· AAR M-1002 4.13.2.3

Shock
· AAR CE-UG-04-3001

Humidity
· 95%

Power
· 9V Sourced from ORBCOMM's GT 1100

CALL: 1.800.ORBCOMM   EMAIL: SALES@ORBCOMM.COM   VISIT: WWW.ORBCOMM.COM

ORBCOMM Inc. (Nasdaq: ORBC) is a leading global provider of Machine-to-Machine (M2M) communication solutions and the only commercial satellite network dedicated to M2M. ORBCOMM's unique combination of global satellite, cellular and dual-mode network connectivity, hardware, web reporting applications and software is the M2M industry's most complete service offering. Our solutions are designed to remotely track, monitor, and control fixed and mobile assets in core vertical markets including transportation & distribution, heavy equipment, industrial fixed assets, oil & gas, maritime and government.

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CONNECTING THE WORLD'S ASSETS