



## CT 1000

**Simpler tracking. Smarter decisions.**

The CT 1000 delivers cost-effective asset visibility, driving efficiency and boosting cargo security. Fleet and intermodal managers can improve utilization and optimize operations by monitoring asset location, status, starts, and stops across multiple asset types.

### **Better fleet management**

Gain insights into fleet efficiency with current and historical location reporting. Identify critical movements that impact operations with geofencing for better asset management.

### **Easy to deploy**

Designed for quick, cost-effective deployment with minimal asset downtime and upkeep thanks to its solar-powered battery and over-the-air updates. Install in as little as one minute, configure in as few as four minutes.

### **Durable**

ATEX Zone 2 rated, the CT 1000 is built with a rugged enclosure that is resistant to dust and water.

### **Stay connected virtually anywhere**

Our global IoT SIM delivers connectivity on 565 networks across 180 countries to support trailer and intermodal containers—no matter where they roam.

**Solar powered**

**Current and historical location reporting**

**Easy and fast to install, scale and maintain**

**ATEX Zone 2 rated and resistant to dust and water**

**Global 4G LTE coverage and 3G/2G fallback**

# Specifications

## Cellular technology

- Global 4G LTE coverage and 3G/2G fallback

## Dimensions:

- 7.76 x 2.0 x 2.0 inches
- 197 x 50.8 x 50.8 mm
- Plastic material: Polycarbonate
- Color: white

## SIM type

- Solderable SIM

## Communication protocols

- TCP, FTP

## Constellations supported

- GPS, GLONASS, BeiDou, Galileo, QZSS

## Antenna

Built-in cellular antenna,  
GPS/GNSS antenna, BLE antenna

## Accelerometer

- 3-axis digital accelerometer with motion detection

## Sensors

- Standard: GPS, ambient temperature

## Memory

- Storage of more than 2000 messages (90+ days of operation)

## Wireless

- Cellular and BLE

## Ingress

- IP69K
- IP67

## Battery

- Charge temperature: -20°C to 50°C
- Discharge temperature: -20°C to 70°C
- Storage temperature: -40°C to 85°C at relative humidity 65 +/-20%

## Flammability

- Enclosure: UL 94 5VA

## Certifications

- FCC/IC
- PTCRB
- CE RED 2014/53/EU
- ROHS
- ATEX
- WEEE
- Global Access Approval: Australia/ New Zealand, Brazil, China, Japan, South Korea, South Africa, UKCA, etc.

## Environmental

- Operating temperature: -20°C to +70°C
- IEC 60529
- Vibration: AAR S-9401, rail car body mounted; MIL-STD-810H
- Mechanical shock: MIL-STD-810H (Method 516.6)

## Electrical output power

- Cellular radio output power of 2G/3G/4G: Max 33dBm
- GSM850: Class 4 (33 dBm ±2 dB)
- EGSM900: Class 4 (33 dBm ±2 dB)
- DCS1800: Class 1 (30 dBm ±2 dB)
- PCS 1900: Class 1 (30 dBm ±2 dB)
- GSM850 8-PSK: Class E2 (27 dBm ±3 dB)
- EGSM900 8-PSK: Class E2 (27 dBm ±3 dB)
- DCS1800 8-PSK: Class E2 (26 dBm ±3 dB)
- PCS1900 8-PSK: Class E2 (26 dBm ±3 dB)
- WCDMA: Class 3 (24 dBm +1/-3 dB)
- LTE-FDD: Class 3 (23 dBm ±2 dB)
- LTE-TDD: Class 3 (23 dBm ±2 dB)

*Although we strive to ensure accuracy in all of our published specifications, actual field performance can vary depending on a variety of environmental, installation and usage factors, as well as third-party factors such as cellular providers. The specifications listed are approximations, and do not constitute binding statements or modify the terms and conditions of purchase or lease including, but not limited to, product operational limitations and warranties. All specifications are subject to change without notice. Please check [www.orbcomm.com](http://www.orbcomm.com) to ensure you have the latest version of these specifications.*

Email: [sales@ORBCOMM.com](mailto:sales@ORBCOMM.com) | Call: 1-800-ORBCOMM

Visit our website [www.ORBCOMM.com](http://www.ORBCOMM.com)

ORBCOMM is a pioneer in IoT technology, empowering customers with insight to make data-driven decisions that help them optimize their operations, maximize profitability and build a more sustainable future. With 30 years of experience and the most comprehensive solution portfolio in the industry, ORBCOMM enables the management of over a million assets worldwide for a diverse customer base spanning transportation, supply chain, heavy equipment, maritime, natural resources and government. For more information about how ORBCOMM is driving the evolution of industry through the power of data, visit [www.orbcomm.com](http://www.orbcomm.com).