



## CT 1000

**Dry container tracking digitalised for intelligent visibility.**

The CT 1000 provides visibility and traceability for shipping lines and their customers so they can turn data into decisions about their maritime operations. It allows shippers to estimate arrival times, identify issues and quickly deploy corrective measures to mitigate delays. Shippers and operators can use the CT 1000 to optimise operations, enhance cargo security and cut costs by identifying data gaps in the supply chain.

### **Built and certified for the maritime environment**

The CT 1000 is a cellular, solar-powered device designed to last the life of the container. With over-the-air updates and a rugged enclosure that withstands shock, vibration, dust and water, the CT 1000 requires minimal upkeep and can handle anywhere from -20° to 70° Celsius.

### **Easy, fast install**

Supported by our Field Service Tool app, the CT 1000 is optimised for narrow container corrugations and can be installed in as little as one minute with two rivets.

### **Smart monitoring and dynamic reporting**

Monitor cargo requirements through ambient temperature alerts for assessing in-transit damage and safeguarding against insurance claims. Dynamic reporting allows users to configure reporting intervals depending on whether the container is in motion or stationary.

**Solar powered**

**Installation in as little as one minute**

**Rugged maritime-ready construction**

**ATEX-certified and IP67 and IP69K rated**

**Multi-network cellular connectivity**

**Ambient temperature monitoring**

**Global SIM**

**Optional door sensor support**

# Specifications

## Cellular technology

- LTE FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
- LTE TDD B38/B39/B40/B41
- UMTS B1/B2/B4/B5/B6/B8/B19
- GSM 850/900/1800/1900MHz

## 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

## Antenna

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

## Constellations supported

- GPS, GLONASS, BeiDou, Galileo, QZSS

## Accelerometer

- 3-axis digital accelerometer with motion detection

## 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)

## Wireless

- Cellular and BLE

## Sensors

- Standard: GPS, ambient temperature
- Optional: wireless door sensor

## 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.

## Memory

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

## 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

## Ingress

- IP69K
- IP67

## 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.

For more information on our solutions or to book a demo, email us: [info@ORBCOMM.com](mailto:info@ORBCOMM.com)

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

ORBCOMM is a global leader in industrial IoT, delivering visibility, intelligence and efficiency to the world's most critical operations. With 30 years of innovation and more than 2.4 million connected devices, we transform data into actionable insights, driving greater efficiency, safety, resilience and sustainability. Serving customers that include the world's largest shipping lines, over-the-road trucking fleets, cold-chain transportation fleets and a global network of IoT solution provider partners, ORBCOMM is where IoT powers asset intelligence.