



WHERE DATA DRIVES DECISIONS

Container

Datasheet



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.co.kr to ensure you have the latest version of these specifications.

For more information on our solutions or to book a demo, email us: sales@ORBCOMM.co.kr

Visit our website www.ORBCOMM.co.kr

코리아오브컴(주)

글로벌 저궤도 위성통신사업자인 미국 ORBCOMM Inc. (NASDAQ: ORBC)와의 라이선스 계약을 체결하여, 오브컴 위성과 육상기반시설을 이용하여 기기 간 통신서비스(IoT: Internet of Thing)를 제공하는 기간통신사업자입니다. 코리아오브컴(주)는 전 세계 가입자를 대상으로 IoT에 특화된 통신서비스를 합리적인 가격에 제공하고 있습니다.

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