



WHERE DATA DRIVES DECISIONS

Datasheet



CT 3500

Remote management and control of reefers.

The CT 3500 enables complete visibility and remote reefer management at every point in the supply chain on land, rail or sea. It provides shippers and carriers with comprehensive reports, analytics and alerts to help streamline container operations and drive efficiencies.

Increase asset visibility

Use ORBCOMM's Maritime platform to monitor and manage reefers virtually anywhere—even deep at sea. Provide accurate ETAs and other data to customers to improve quality of service and help mitigate delays.

Enhance operational efficiency

Remotely run pre-trip inspections to optimise turn times, cut fuel and labor costs and improve ROI.

Improve fleet utilisation and minimise equipment losses

Use GPS data, geofences and advanced reports to track when equipment arrives or leaves ports, terminals, depots, and distribution centers to streamline distribution and delivery and reduce dwell and cycle times.

Stay connected

The industry's most comprehensive connectivity: the ORBCOMM global SIM card delivers 4G LTE, 3G or 2G cellular communications in over 207 countries across 519 networks.

Advanced temperature management

Temporary or permanent installation

Two-way reefer control

Remote pre-trip inspections

Global cellular connectivity

Bluetooth 5

Reduce cargo spoilage, tampering and theft

Mitigate costly claims with customisable alerts that notify when temperature, humidity and other parameters deviate normal ranges.

Two-way reefer control enables customers to quickly correct and adjust parameters, all from a single centralised location. Add our 24/7 monitoring service for further protection when containers are in transit.

Specifications

Cellular technology

- LTE FDD B1/B2/B3/B4/B5/B7/B8/12/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

SIM type

- Solderable SIM

Communication protocols

- SMS, UDP, TCP, FTP

Wireless

- BLE, NFC-ready, cellular

Antenna

- Integrated cellular/GPS/BLE antennas

Environmental compliance

- Operating temperature: -40°C to +85°C
- Internal battery operating temperature: -20°C to +60°C
- IEC 60529
- Vibration: AAR S-9401, rail car body mounted; MIL-STD-810G
- Shock: MIL-STD-810G (Sec 516.6)

GPS technology

- 72 channels
- Receive tracking sensitivity -157 dBm

Battery

- Internal 2.6 Ah
- Charge temperature: 0°C to 45°C
- Discharge temperature: -20°C to 60°C
- Storage temperature: -20°C to 55°C at relative humidity 65+/-20% RH

Accelerometer

- 3-axis digital accelerometer with motion detection
- Optional impact detection

Power input

- 15-36 VAC
- 21-34 VDC
- Max peak 60V at 10 milliseconds
- Over-voltage protection

Physical specifications

- Dimensions:
 - ▶ 8.81 x 3.31 x 1.18 inches
 - ▶ 223.7 x 84.1 x 30 mm
- Plastic material: Polycarbonate
- Color: black

Certifications

- FCC/IC
- PTCRB
- CE Red
- RCM (Australia)
- WEEE

Harness/installation/LEDs

- Universal harness for installation across all OEMs
- RMM/PLM coexistence with included PAD
- Single tricolor LED to indicate unit status (cellular/reefer comms)
- Permanent (VHB) and temporary (bracket) mounts
- Magnetic reset switch

Memory

- Storage of:
 - ▶ More than 2000 messages
 - ▶ More than 5000 onboard 12-point geofences plus unlimited backend geofences
 - ▶ Reefer software files before updates
 - ▶ Data log download files before sending

I/O

- Digital I/O: 1-Wire bus

Ingress

- IP69K
- IP67

Flammability

- Enclosure: UL94 V-0
- Cable: UL1581 VW-1

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 to ensure you have the latest version of these specifications.

For more on our solutions or to book a demo, email us: info@ORBCOMM.com

Visit our website www.ORBCOMM.com

ORBCOMM is a pioneer in IoT technology, empowering customers with insight to make data-driven decisions that help them optimise their operations, maximise 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.