



CT 3500

Remote management and control of reefers.

The CT 3500 enables complete visibility and remote reefer management on land, rail or sea. It provides comprehensive reports, analytics and alerts to help streamline container operations and drive efficiencies.

Increase asset visibility

Use ORBCOMM's Maritime platform to manage reefers virtually anywhere. Give accurate ETAs to customers to improve quality of service and reduce delays.

Improve fleet utilization and minimize equipment losses

Use GPS data, geofences and advanced reports to track when equipment arrives or leaves ports, terminals and more.

Reduce cargo spoilage, tampering and theft

Customizable alerts that notify when temperature and other parameters deviate normal ranges. Two-way reefer control enables customers to quickly adjust parameters from a single location. Optional 24/7 monitoring service.

Enhance operational efficiency

Optimize turn times, cut costs and drive ROI with remote pre-trip inspections.

Stay connected

ORBCOMM's global SIM card delivers 4G LTE, 3G or 2G connectivity 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

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.

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Visit our website www.ORBCOMM.com

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