



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.viachain.io to ensure you have the latest version of these specifications.

Email: sales@viachain.io | Call: 1-800-672-2666

Visit our website www.viachain.io

VIACHAIN™, an ORBCOMM® company, is a global leader in IoT solutions that deliver enhanced sustainability, cargo safety and operational reliability for logistics providers, trucking fleets and the world's largest shipping lines. Our pioneering technology transforms intermodal containers and trailers into smart assets to optimize efficiency and reduce risk. Providing real-time visibility and insights into location, condition, safety and route performance, our solutions enable fast reactions to disruptions. With more than 1.6 million connected assets, VIACHAIN is where IoT powers smart supply chains.