ORBCOMM®

WHERE DATA DRIVES DECISIONS

SC 1000

Tracking for intelligent visibility

Get equipment location and service hours anywhere in the world.

The solar-powered SC 1000 (Model Number: SC1000) improves operational efficiency by delivering visibility into previously untracked industrial equipment in remote areas. Part of the Cat digital system, it enables real-time and historical reporting to better inform decisions.

Resistant to dust, water, shock and vibration, the SC 1000 is built to track equipment in the world's harshest environments. Use the SC 1000's accelerometer for engine operation sensing and hour logging. Integrated satellite antennas make the
SC 1000 easy to install and remove in minutes with two rivets on virtually any type of equipment. Use satellite connectivity for asset tracking and BLE to integrate with the mobile app and connect to other Bluetooth sensors—all cable-free. The SC 1000 is ideally suited for mobile assets such as light-and heavy-duty commercial vehicles, rail car and construction equipment.

Features

Solar powered	Installs in minutes	BLE-enabled
Satellite connectivity	Fully encapsulated, rugged construction	

Specifications

Satellite communication
- Satellite service: ORBCOMM OGx; two-waygGlobal

Dimensions
- 8.1 x 3.0 x 1.1 inches
- 200 x 71 x 28 mm
- Plastic material: polycarbonate
- Color: white

Sensors
- 3-axis accelerometer, device temperature
- Optional: BLE-enabled sensors

Wireless
- BLE 5.2

Battery
- Operation temperature: -35°C to 75°C

Certifications
- FCC/IC
- CE RED 2014/53/EU
- ATEX (-20 °C to +70 °C)
- ROHS
- WEEE
- HERO
- Contact ORBCOMM for full list of certifications

Environmental
- IP67 and IPx9K
- Vibration: AAR-S-9401, section 3.2.4.1 and 3.2.4.2
- Shock: MIL-STD-810G, method 516.8, 50g
- Chemical: SAE J1455, section 4.4.3.2

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

Global positioning
- Constellations supported
  - *GPS*
  - *GLONASS*
  - *BeiDou*
  - *Galileo*
- Time to first fix:
  - *Cold start 28 seconds*
  - *Hot start 1 second*
- Sensitivity
  - *Tracking -167 dBm*
  - *Reacquisition -160 dBm*
  - *Cold start -148 dBm*
  - *Hot start -159 dBm*

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.

Email: **sales@ORBCOMM.com** | Call: **1-800-ORBCOMM**

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 optimize their operations, maximize 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.

080322B