



DS 300

Track asset access with ease.

VIACHAIN's wireless door sensor delivers enhanced visibility of trailer and container operations and improved cargo security. It detects when doors open or close, enabling fleet operators to know if the cargo area is being accessed as scheduled and react quickly to unexpected openings.

Hassle-free installation

No wires means it's easy to install, making it the ideal fit for large deployments. Get up and running faster with our intuitive Field Support Tool mobile app for device configuration and support.

Ruggedized

Built IP67-rated to withstand harsh operating environments with dust, humidity, water, shock and vibration for reliable reporting virtually anywhere.

Around-the-clock monitoring

Receive alerts when unexpected door events occur, openings take place outside geofence locations or when a sensor is damaged.

Enhanced cargo security

Durable

Part of a comprehensive solution

Quick and wireless installation

Up to five years of reporting

Mobile app support for simple configuration

Specifications

Compatibility

- CT 1000
- ST 9100
- GT 1100
- GT 1200
- GT 1220
- AG 400

Environmental conditions

- Operating temperature: -40 °C to +85 °C
- Dust and water ingress: IP67
- Vibration: SAE J1455 (Sec 4.10.4.2 figures 6-8)
- Shock: MIL-STD-810G (Sec 516.6 procedure I, Section 2.3.2c)

Communications

- Bluetooth Low Energy (BLE) version 4.0
- Low power, short range protocol using 2.4GHz band

Mechanical

- Dimensions: 102 mm x 64 mm x 15 mm
- Weight: 97g

Power

- Lithium battery with 1000 mAh capacity
- Up to 5 years of operation

Ordering details

- ST100687-001 – Door sensor with mounting bracket required for rolled doors
- ST100547-001 – Door sensor

Certification and compliance

- CE Mark:
 - ▶ EN 301 489-17
 - ▶ EN 301 489-1 (EMC)
 - ▶ IEC 62368
- FCC regulation: 47 CFR 15
- Industry Canada
 - ▶ ICES-003
- RoHS
- GAMP 5¹

1 – When used in combination with the MX2



A sample DS 300 deployment

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.

For more on our solutions or to book a demo, email us: sales@viachain.io

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.