



DS 310

Ensure cargo security and enhance operations

VIACHAIN's advanced wireless door sensor delivers enhanced performance, coverage and durability to increase operational visibility 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 unauthorized openings.

Enhanced durability

With robust mounting, smaller size and low profile, the DS 310 is developed specifically for harsh intermodal conditions. Built IP67-rated to withstand dust, humidity, water, shock and vibration, it is designed for mounting in highly trafficked areas, for quick installation and long-lasting, maintenance-free use in rail and road environments.

Higher performance

Improved wireless coverage, better power usage and enhanced connectivity increases the ability to accurately detect openings and closing events without false alarms.

Hassle-free installation

No wires or external antennas means it's easy to install, making it the ideal fit for large deployments. Get up and running faster with our intuitive VIACHAIN Installer App for device configuration and support.

Reduced size

Robust mounting

Enhanced wireless range, power and connectivity

Real-time door open and close events

Pairs with most VIACHAIN BLE capable devices

API ready

Enhanced wireless range, power and connectivity

Specifications

Model number DS310

Hardware Compatibility

- GT 1200/GT 1220
- GT 1210/GT 1230
- CT 5300

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 5.1
- Low power, short range protocol using 2.4GHz band

Mechanical

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

Power

- Up to 5 years of operation

Ordering details

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

Certification and compliance

- CE Mark: RED 2014/53/EU
- FCC
- IC
- RoHS

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.

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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.