



Swift Sensors Water Resistant PoE Standard Bridge 1011

Part Number: SS-BRG-1011

Overview

The Swift Sensors Water Resistant Power over Ethernet Standard Bridge 1010 connects with all Swift Sensors within range and securely transmits sensor data to the Swift Sensors Cloud through **Ethernet**.

Simple, Plug-and-Play Deployment

After power-on the Swift Sensors Bridge will automatically identify all sensors within range. Use the Swift Sensors Console to configure individual sensors or groups of sensors. No wires to connect. No software to install.

Secure, Scalable, Cloud Architecture

The system is 100% cloud-managed. The bridge securely transmits sensor data to the Swift Sensors Cloud using 256-bit AES encryption. The system is scalable from a single sensor, one site application to multi-site enterprises with thousands of sensors.

Real-time Monitoring and Analytics with Actionable Data

Swift Sensors product family includes a comprehensive line of matchbox-sized, wireless sensors for measuring temperature, humidity, motion, vibration, water detection, door open/close, power and others. Each wireless sensor is powered by a replaceable coin cell battery with an expected battery life of one to three years, depending on the user-defined measurement frequency.

Applications

- Industrial Monitoring
- Food Processing
- Cold Chain Monitoring
- Restaurants and Hospitality
- Building and Property Management
- Critical Facility Monitoring
 - Datacenters
 - Food Storage
 - Greenhouses

Operating Specifications:	
PoE Requirements	IEEE 802.3at/af with 15.4W Minimum*
Ethernet Communication	IEEE 802.3, 10/100/1000Mbps (330Mbps MAX), RJ45
Sensor Communication	Bluetooth 4.2, BLE: 2.4 GHz, 30 - 45 ft. non line-of-sight RF: 900/868/433 MHz, 100 – 200 ft. non line-of-sight
Offline Storage	Up to three weeks when communication is not available
Security	AES 256-bit encryption
Power	44 - 54VDC, 300mA (PoE) to 5.3VDC, 2.5A Max (900mA)
Operating Environment	-40°C - 50°C° (-40°F - 122°F)
Operating Temperature	-40°C - 85°C° (-40°F - 185°F)
Enclosure	ABS plastic
Enclosure Dimensions	4.82"L X 3.79"W X 1.39"D (Mounts Spaced 5.28" Apart)
Certifications	FCC
Enclosure IP Rating	IP54 (With Watertight Seal)
Connector IP Rating	IP67

*Using Passive PoE may damage equipment. Please use device that supports Active PoE (IEEE 802.3af, 802.3at)

Swift Sensors

The Swift Sensors Bridge collects data via BLE or RF from the complete line of Swift Sensors. The sensors are powered with a replaceable 3V coin cell battery and will automatically pair and communicate with a Swift Sensors Bridge within range. Sensors are available for common measurements including temperature, humidity, moisture, vibration, activity, door movement, motion, switch contact, electrical current and voltage.

Swift Sensors Console

All sensor data is logged and stored in the Swift Sensors Cloud. The Swift Sensors Console is configured to monitor and track all sensor data in the cloud. Multiple thresholds and alerts can be set separately for each sensor to supply notification via SMS text, email, and phone call. The console can be viewed in a web browser on a computer, tablet, or smartphone. No programming is required to configure the console. An API to the Swift Sensors Platform allows integration with other data sources and 3rd-party data analytics tools.