

Eagle Eye Sensors Gateway Data Sheet

Connect all your sensors securely and wirelessly to the Eagle Eye Cloud VMS.

The gateway connects with all Eagle Eye sensors within range (<200m/600ft) and securely transmits sensor data to the cloud via Ethernet or Wi-Fi. Each gateway can support up to 150 sensors and can be powered with 110/220V universal power or with active PoE (IEEE 802.3af and 802.3at).

Simple plug-and-play deployment

Place the small battery-powered sensor in the location or on the equipment you need to monitor. The gateway can be mounted on a wall or secured on a pipe or pole with zip ties. An optional stand is available for placement on a table or in a cabinet. The Eagle Eye Sensors Gateway instantly identifies the sensor and establishes secure communication. No wires to connect. No software to install.

Secure, scalable, cloud architecture

The system is 100% cloud-managed. The gateway securely transmits sensor data to the 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

The Eagle Eye Cloud VMS allows real-time asset monitoring and sophisticated analysis from anywhere — whether on a computer, tablet, or smartphone. Data analytics provide operational insights and deep visibility. SMS text, email, and phone call notifications can be set based on customizable thresholds and complex rules for individual sensors or sensor groups.

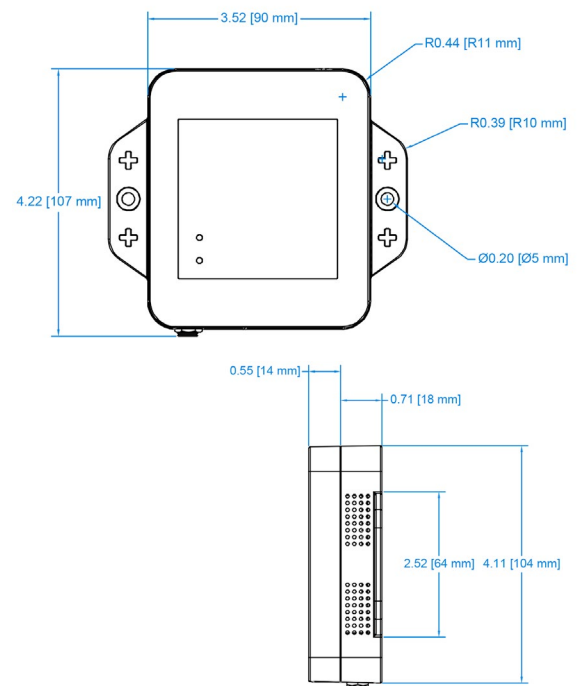
Eagle Eye Sensors Console

All sensor data is automatically logged and stored in the cloud. The Eagle Eye Sensors Console in the VMS is configured to monitor and track all sensor data in the cloud. Multiple thresholds and alerts can be set separately for each sensor. An API allows integration with other data sources and third-party data analytics tools.



Applications

- ✓ Manufacturing and production
- ✓ Facility monitoring
- ✓ Museums
- ✓ Data centers
- ✓ Warehouses
- ✓ Greenhouses
- ✓ Restaurants and food service
- ✓ Cold chain monitoring
- ✓ Transportation
- ✓ Building management



Part Number	EN-SG3-1010-XR
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Operational Specifications

Power Supply	110VAC/220VAC to 12VDC, 1.5A 18W universal threaded
Operating Voltage	12 - 24VDC (from DC Jack)
PoE Support	48Vdc +/- 10% (Active 802.3af/at+ Protocols Only)
Current Consumption	220mA @ 12VDC (2.64W) Nominal, 300mA @ 12VDC (Peak), 65mA (PoE Avg)
CPU Operating Temp.	-20°C to +50°C (-4°F to +122°F)
Operating Env. Temp.	-20°C to +50°C (-4°F to +122°F)
Use Environment	Indoor Use Only* Optional IP67 Enclosure Available
Relative Humidity	20% to 90% RH, non-condensing
Wi-Fi Connectivity	2.4 GHz and 5.0 GHz IEEE 802.11ac wireless
Ethernet Connectivity	100/300/1000MBPS (GBE)
USB	2 USB 3.0 ports for supported devices only
Encryption	256-Bit AES Encryption
Time-Keeping	RTC with CR1220 Battery
Front Panel LEDs Internet*	Green - Connected, Yellow - Local Connection, no Internet, Red - Not Connected, White - Power On Sequence
Front Panel LEDs WiFi*	Blinking - Transferring to AP mode, Solid Blue - AP mode Wifi
Sensor Types Supported	Up to 150 Eagle Eye BLE Sensors
Typical Sensor Range	30-60m (100-200ft), depending on sensor model
Weight	170.1g (6oz)
Dimensions	104 mm X 120mm X 32.5mm (4.1in X 4.7in X 1.3in)
Enclosure Material	ABS PA-765+
Certifications	FCC ID: X8WBT840X IC ID: 4100A-BT840X
Flammability Rating	UL94-0V
EMC Compliance	FCC Class 15 Part B
Warranty	Lifetime with Active Subscription

Only available in the United States and Canada.

Powering sensors on and off

Sensors can be powered on or put into sleep mode by pressing the center. A green LED blinks when the sensor powers on, turns solid when transitioning to sleep mode, and will blink when the “Find my Sensor” command is sent from the Console. All sensors send encrypted data to the gateway.

*Front panel LEDs Internet connection:

- **Green:** Connected
- **Yellow:** Connected local, no Internet
- **Red:** No connection
- **White:** Power on sequence
- **Blinking Blue:** Transferring to AP mode
- **Solid Blue:** AP mode for configuring WiFi

The gateway is easily put into AP mode (Wi-Fi configuration) by pressing and holding the button in the center of the gateway for one second.

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