



E-Control Systems, Inc.

# IntelliGate™ Web-Based Gateway

IG1-1000



## Product Description

E-Control Systems' IntelliGate™ is a feature-rich web-based internet appliance that allows you to access and manage all of the IntelliSensor™ data collected. Using the IntelliGate's built in secure web server, you can configure and view all of your IntelliSensor™ interfaces, then create trigger and alerts based on rules that you setup. Both current status and historical data are only a mouse click away using your standard Internet Browser. For larger installations, the IntelliGate™ can be configured to relay data securely to legacy software or industrial automation software applications.

In addition to interfacing the IntelliGate™ to industry standard or customer specific software packages, the IntelliGate™ works seamlessly with E-Control Systems' enterprise web package, FusionLive™, to provide a full turn-key solution.

Combining the key components of the IntelliSense™ network (IntelliSensor™, IntelliGate™, IntelliMesh™, and FusionLive™) allows easy creation of a centrally managed monitoring application. Applications include, but are not limited to:

- Food Service (HACCP Compliance / NAFEM Data Protocol)
- Medical / Pharmaceutical (FDA 21 CFR Part 11 Compliance)
- Refrigeration (HVAC, Heating, Cooling)
- Industrial

## Features

- Access and manage all types of IntelliSensors™ from a single location
- Built-in two sensor input and dry contact output
- Built-in Web Server to display current and past sensor data and alarms
- Push data to Enterprise Servers using HTTPS and XML
- Multi-level Password Support
- 2.4 GHz operating frequency for worldwide deployment
- High power radio to 50 mW (+17 dBm)
- Supports Zigbee® Wireless Standard
- Supports meshed networking for increased reliability and range
- Outdoor range up to 1 mile (1.6 km)
- Completely integrated solution with IntelliSensor™, IntelliMesh™, and FusionLive™ Software
- Can be configured and managed remotely using a standard web-browser
- No hardware configuration needed (Sensors automatically join network)
- Firmware can be remotely updated over network
- Conformal coated board for moisture rich operating environments
- Optional NEMA enclosure for harsher environments

## General Specification

<b>Radio</b>	802.15.4 Complaint, 2.4 GHz DSSS (Direct Sequence Spread Spectrum)
<b>Output Power</b>	50 mW (+17 dBm)
<b>Antennae</b>	RPSMA half-wave dipole antenna (2.4 GHz, 2.1 dB)
<b>Range</b>	Up to 1 mile (1.6 km) Outdoor Up to 400 ft (120 m) Indoor
<b>Operating Temperature</b>	-40°C to 85°C
<b>Operating Humidity</b>	0 to 100%, non-condensing
<b>Dimensions</b>	4.250" x 3.000" x 1.375"
	108mm x 76.2mm x 34.9mm
<b>Mounting</b>	2 screws or double-sided tape

## Sensor Specifications

<b>Temperature Accuracy</b>	+/- 1°C
<b>Temperature Resolution</b>	0.1°C
<b>Contact Closure Switching</b>	1/10 second
<b>Detection Time</b>	
<b>Output Relay Max Rating</b>	5A@100 VDC / 10A@250 VAC
<b>Sensor Terminal Connection</b>	12-26 AWG (Wire Size)



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