

# RSZGW-600 Temperature and Humidity Internet Gateway



RSZGW-600 is Radiant Sensors' Temperature and Humidity Internet Gateway. The device is Wi-Fi based and designed to collect data from RSTH-700 Wireless Temperature and Humidity Sensors and transmit the data to the Radiant Watch IoT platform via your facility's existing Wi-Fi.

The RSZGW-600 comes in two different models to fit any challenging application: Wi-Fi for in-facility data transmission and Cellular for mobile and remote applications.

One single RSZGW-600 gateway can be connected to any number of wireless sensors within its range.

Through its external temperature input port, it can connect to an external wired temperature sensor probe and is calibrated for the range of -200 °C to +800°C (-328°F to 1,472°F).

Its built-in relay port (up to 220V, 2A) can enable/disable external devices with ease.

The Cellular model has a built-in GPS and transmits the sensor reading, captured time and GPS coordinate to the Cloud Server via its built-in 3G/4G/LTE GPRS.

The Gateway enclosure is designed to be compact and unobtrusive without ugly spidery antennas. It can be tucked away on a shelf, desk, or a counter. Its setup is amazingly simple and can be done via smartphone.

RSZGW-600 supports RESTful API for easily connecting the device to any kind of application. It supports flexible PUSH service for transmitting data to any system. The entire system is designed to be plug & play, and provide accuracy and ease of use to the highest degree.

## General Features

- Snap-on installation
- Driver-free, plug & play setup eliminating integration with any software or hardware
- Built-In Wi-Fi antenna, Ethernet Port, Relay Port and Wired Sensor Port
- Wi-Fi network connectivity with Access Point and Client Mode Support
- Built-in activity indicator, buzzer and Wi-Fi LEDs
- Compatible with a wide variety of sensors and IoT clouds
- Powerful embedded software reduces development time
- Orientation-insensitive design resulting in faster and more accurate data transmission
- IP31 sealing for dust and water resistance
- Easy-to-use Application Programming Interface (API)
- Low power usage



## Technical Datasheet

### Applications

- Healthcare
- Food
- Cold chain monitoring
- Oil & Gas
- Construction
- Manufacturing
- Building management systems
- Automation
- And many more...



Radiant Sensors designs, develops and manufactures IoT sensor devices as well as RFID hardware products for short and long-range wireless identification technology. Our devices are field-proven and have been in operation for many years throughout the world

www.Radiantsensors.Com  
Email: Sales@Radiantsensors.Com

## Specifications

<b>Model No.</b>	RSZGW-600
<b>Product</b>	Temperature and Humidity Internet Gateway
<b>Network Connectivity</b>	802.11 b/g Wi-Fi / Ethernet 10-100Mbit
<b>Cloud Connection</b>	Configurable to transmit data to any Server. Optimized for Radiant Watch IoT Cloud
<b>Max Read Range</b>	120 m (400 ft.). Actual range may vary depending on the configuration of obstacles and environment.
<b>Application Interface</b>	Radiant Sensors Web Management User Interface, RESTful API to integrate with any application.
<b>Input Voltage</b>	12 VDC
<b>Input Current</b>	170 mA @ 12 VDC
<b>Power Connector</b>	5.5 mm Barrel Power Jack
<b>Storage Temperature</b>	-20°C to 80°C
<b>Operating Temperature</b>	-20°C to 60°C (-4°F to 176 °F)
<b>Humidity</b>	Up to 80% relative humidity
<b>Dimensions</b>	4.7 x 4.7 x 1.2 in (12 x 12 x 3 cm)
<b>Weight</b>	150 grams
<b>Material</b>	ABS
<b>Color</b>	Off-white
<b>IP Rating</b>	IP31
<b>Compatibility</b>	Compatible with RSTH-700 Sensors and Radiant Watch IoT Cloud Application.
<b>Wireless Sensors Features</b>	Up to 50 RSTH-700 wireless sensors
	Internal Relay (Up to 220V, 2A) for controlling external devices.
	Wired temperature input ports calibrated for sensor with range of -200 °C to +800°C (-328°F to 1,472°F)