



RSZGW-600C Cellular Temperature and Humidity Internet Gateway

RSZGW-600C is Radiant Sensors' Cellular Temperature and Humidity Internet Gateway. The device is designed to collect data from RSTH-700 Wireless Temperature and Humidity Sensors and transmit the data to the Radiant Watch IoT platform via built-in 3G/4G/LTE cellular network. It can also transmit data via your facility's existing Wi-Fi as well.

One single RSZGW-600C 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).

RSZGW-600C has a built-in GPS and transmits the sensor readings, captured time and GPS coordinates to the Cloud Server.

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

The Gateway enclosure is designed to be compact and unobtrusive without ugly spidery antennas. It can be tucked away under a dashboard or a tight space inside a vehicle. It connects directly to the vehicle's 12V DC power source. Its setup is amazingly simple and can be done via smartphone.

RSZGW-600C 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 3G/4G/LTE GPRS for data transfer in mobile and remote locations
- Built-in GPS Tracking
- Built-In Wi-Fi antenna, Ethernet Port, Relay Port, 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

- Logistics
- Cold chain Monitoring
- Remote Location Monitoring
- Food
- Healthcare
- 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

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Specifications

Model No.	RSZGW-600C
Product	Temperature and Humidity Cellular Internet Gateway
Cellular Connectivity	Built-in 3G/4G/LTE GPRS for data transfer in mobile and remote locations.
Network Connectivity	802.11 b/g Wi-Fi / Ethernet 10-100Mbit
GPS Tracking	Built-in GPS Tracking
Cloud Connection	Configurable to transmit data to any Server. Optimized for Radiant Watch IoT Cloud
Max Read Range	120 m (400 ft.). Actual range may vary depending on the configuration of obstacles and environment.
Application Interface	Radiant Sensors Web Management User Interface, RESTful API to integrate with any application.
Input Voltage	12 VDC
Input Current	12 VDC @ 170 mA
Power Connector	5.5 mm Barrel Power Jack
Storage Temperature	-20°C to 80°C
Operating Temperature	-20°C to 60°C (-4°F to 176 °F)
Humidity	Up to 80% relative humidity
Dimensions	4.7 x 4.7 x 1.2 in (12 x 12 x 3 cm)
Weight	150 grams
Material	ABS
Color	Off-white
IP Rating	IP31
Compatibility	Compatible with RSTH-700 Sensors and Radiant Watch IoT Cloud Application.
Wireless Sensors	Up to 50 RSTH-700 wireless sensors
Features	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)