

RSZGW-600CGPS Cellular/GPS Internet Gateway



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

RSZGW-600CGPS is Radiant Sensors' Cellular Internet Gateway. The device is designed to collect data from Radiant Sensors Wireless 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 network or Wi-Fi as well.

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

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

Through its external temperature input port, it can connect to an external wired temperature sensor probe which is calibrated for the range of -200°C to $+800^{\circ}\text{C}$ (-328°F to $1,472^{\circ}\text{F}$).

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-600CGPS 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.



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-600CGPS
Product	Cellular + GPS 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
Cloud Connection	Configurable to transmit data to any Server. Optimized for Radiant Watch IoT Cloud
GPS Tracking	Built-in GPS Tracking
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 Radiant Sensors' hardware 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)