



- 900Mhz
- ARM Cortex- A9 Processor
- 512MB DRAM
- IP55 (IP65 available) Enclosure
- 4G eMMC v4.5
- Din rail mountable
- Remote Monitoring of 50 sensors
- Up to 900ft range.

### DESCRIPTION

The PS9W is an advanced 900Mhz wireless Ethernet Sensor gateway allowing customers to monitoring sensor applications, save data, and receive alert notifications. The advanced IoT security format and flexibility allow our customers to meet their most challenging applications needs. The PS9W allows customers to monitor up to 50 Phoenix Sensors wireless sensors with update rates as fast as once a second. The data is stored on the Cloud and can be accessed via the Phoenix Sensors website.

### APPLICATIONS

- CNC Machine Monitoring
- Industrial Automation
- HVAC Monitoring
- Compressor Monitoring
- Gas Pressure Monitoring
- Liquid Level Monitoring

## Maximum Environmental Ratings

Operating Temperature ..... -25°C to 70°C

Storage Temperature Range .....-30°C to 70°C

## Secure & Configurable IoT Gateway

Phoenix Sensors offers its customers advanced IoT security while giving you the flexibility to choose connectivity options to best meet your application need for both today and tomorrow in their IoT Gateway. The PS9W's powerful processor and modular components give you a cost effective solution without sacrificing functionality.

**Add external antennas if required**

**Customize with your own logo and color**



**Wireless options including WiFi and BLE**

**Wide variety of wall, ceiling & table mounting options**

## Wireless Communications

Wireless connectivity options include 900Mhz, or 400Mhz over an Ethernet (802.11a/b/g/n & router) to the Cloud. Customers can access data and set Alarms for notification.

## Advanced & Powerful Processing

The Phoenix Sensors IoT Gateway is based on a dual core ARM® Cortex®-A9 processor with 4GB of eMMC Flash memory and 512MB DRAM, utilizes to compute and transfer your data securely to the cloud.

## Bank-level Security

Phoenix Sensors offers “end-to-end bank-level security” by using the ARM® TrustZone®.

## Secure Integrated Firmware Updates (IFU)

SecureIFU is a cloud-based platform for device monitoring and secure firmware updates at scale. It works with Phoenix Sensors IoT Gateways for a seamless, end-to-end solution for fast & flexible firmware updating. Phoenix Sensors Gateways don't require Secure IFU, customers are welcome to use their own secure updating tools instead.

## Data and Network Analytics

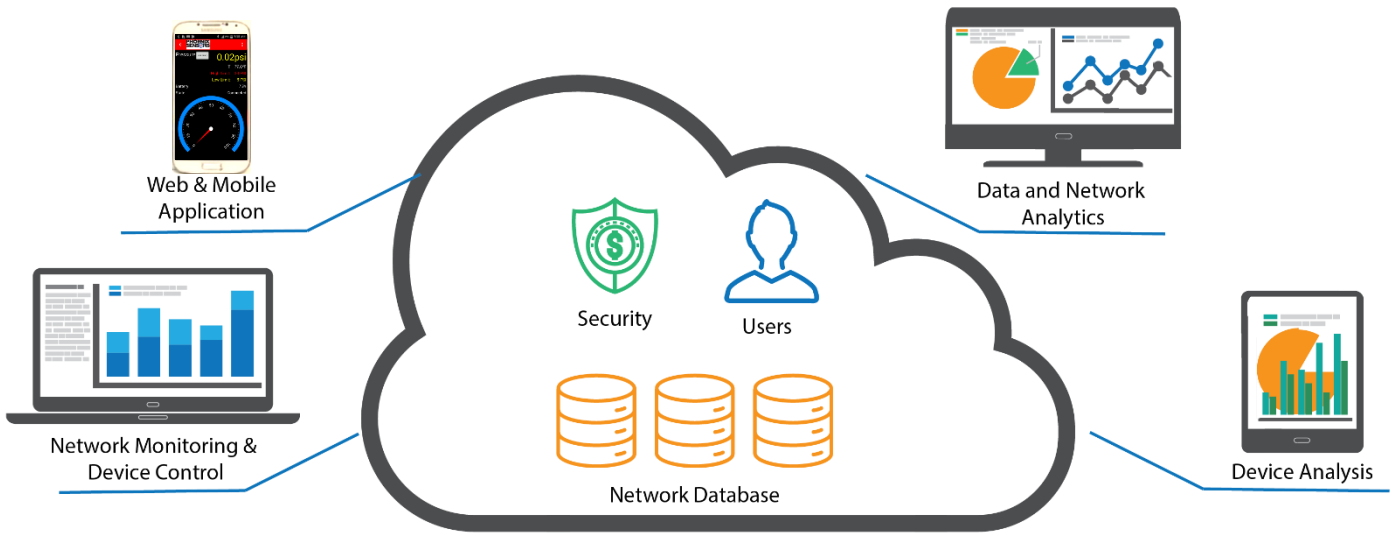
IoT enables large amounts of data to be stored in the cloud. Data analysis allows users to discover trends, maintenance needs, network issues, and device issues which saves time and money.



## Device Analysis

Real-time and historical data can signal and potential prevent device failures. Cloud-based services can be set-up to send alarms via text, email as well as mobile app notifications when the network goes off-line or when there is an issue with other devices on the network.





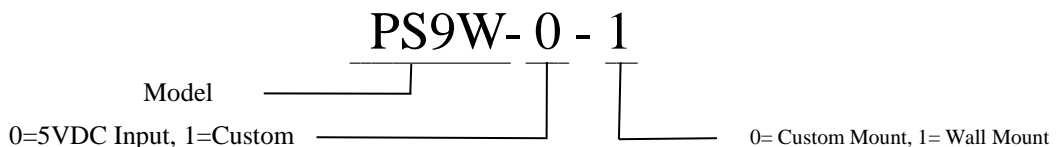
## NETWORK MONITORING & DEVICE CONTROL

Phoenix Sensors IoT gateway works in conjunction with a 3rd party cloud services. The gateway gives you connectivity to the other devices on the network and allow you to remotely monitor and control devices anytime and from anywhere in the world.

## WEB & MOBILE APPLICATION

Simple to use web interface and mobile applications allow you to configure and access the gateway, as well as other devices on the network if you choose. The tools are easy for the user and display the data graphically for easy interpretation.

## Part Number Configuration



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