

# S-SERIES: MODBUS ADAPTER



## Introduction

The Modbus adapter is an IoT controller applied for remote access and data acquisition from Modbus RS485 devices via LoRaWAN® networks. It's the ideal solution to pull information from third-party devices so the monitoring information may be shared on SoniCloud.

It can read up to 16 Modbus devices and support Modbus transparent transmission between servers and devices as a Modbus to LoRaWAN® converter.

This adapter supports multiple trigger conditions and actions which work autonomously – even during network interruption.

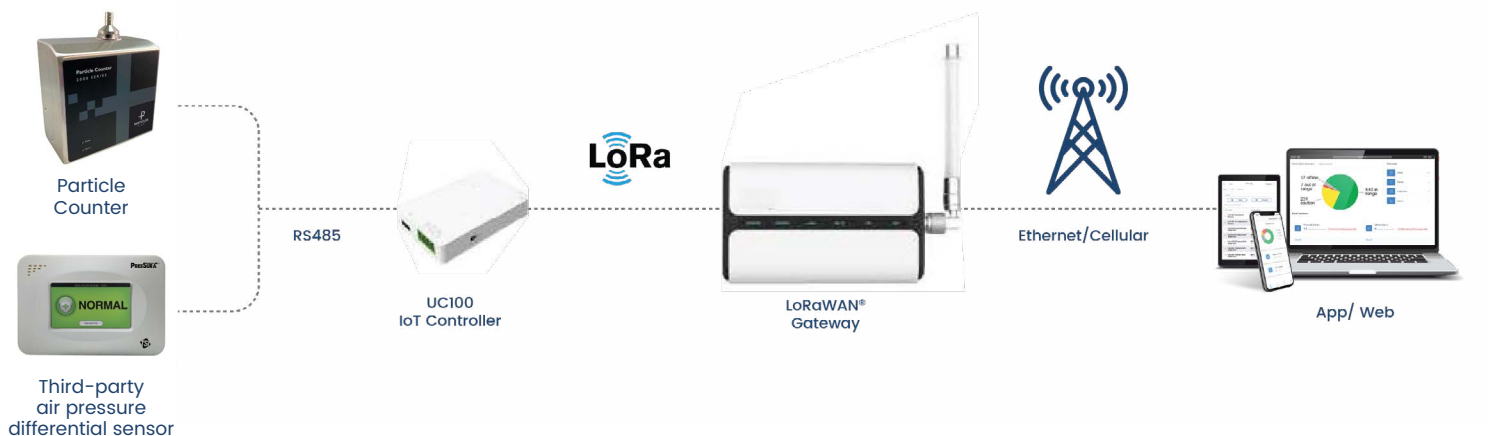
Combined with the SoniCloud application, it can monitor virtually any remote asset via the monitoring platform.

It's the ideal solution to pull information from third-party devices so the monitoring information may be shared on SoniCloud.

The Modbus adapter is an IoT device leveraged for remote access and data acquisition from Modbus RS485 devices via LoRaWAN® networks.

Combined with the SoniCloud application, it can monitor virtually any remote asset via the monitoring platform. The solution is used widely to capture data from third-party sensors, including applications for particle counters in clean rooms and legacy air pressure differential sensors.

## Application Example



## Features

- Experience real-time monitoring with range and efficiency
- Our proprietary LoRaWAN® technology, SoniLink, ensures secure and reliable wireless connectivity. Experience real-time monitoring with range or efficiency
- Compact in size, installation is a breeze
- Instantly compatible with AWS Cloud-based SoniCloud Monitoring
- Tailored alerts and alarms via phone call, text, email and push notification

## Specifications

### Wireless Transmission

Technology	LoRaWAN®
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Antenna	Internal Antenna
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Transmission Power	22dBm
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### Data Interface

Port	1 × RS485
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Connector	3.5 mm Terminal Block
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Protocol	Modbus RTU, support reading 16 register values
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### Physical Characteristics

Power Connector	3.5 mm Terminal Block
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Power Supply	1. 5-24 VDC by Terminal Block 2. 5 VDC by Type-C Port
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Power Consumption	< 0.5 W
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Material & Color	PC+ABS, White
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Ingress Protection	IP30
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Operating Temperature	-20°C ~ 60°C (-4°F to +140°F)
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Relative Humidity	0% ~ 95% (non-condensing)
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Dimensions	70 × 45 × 13 mm (2.75 × 1.77 × 0.51 in)
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Installation	Desktop, Wall Mounting
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