

Data Sheet

# SIG-5600 | 4-Port I/O Gateway



## Overview

SIG-5600 is an industrial I/O gateway equipped with 4 analog input ports, 4 digital input ports and 4 digital output ports.

Users can remotely monitor the values of sensors connected to the digital and analog input ports of this product using Modbus/TCP.

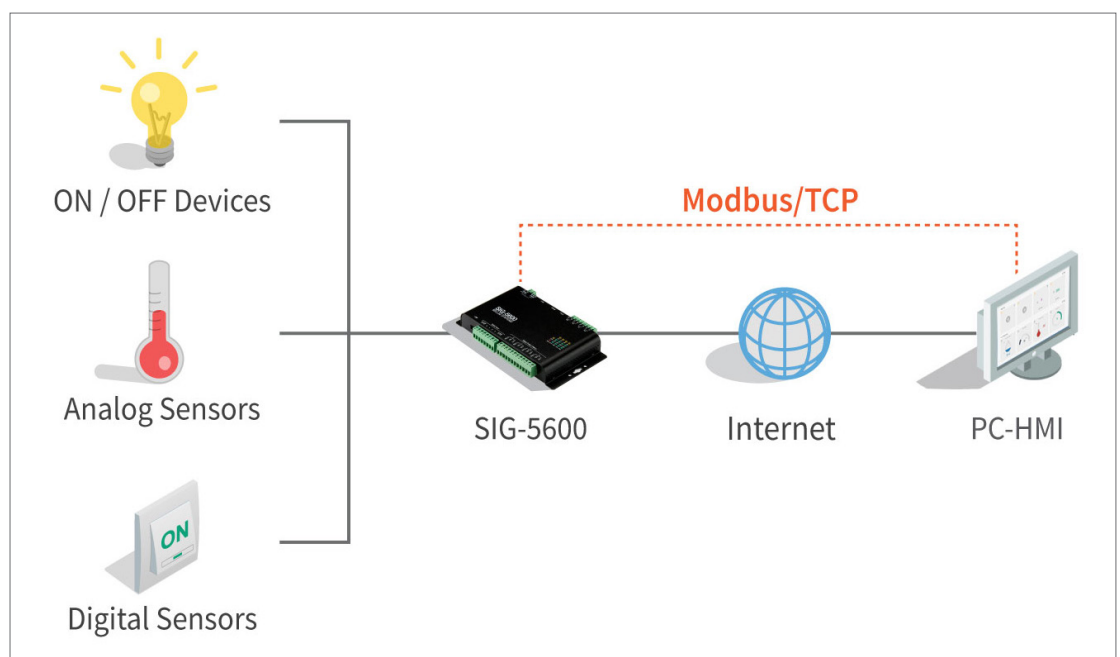
In addition, users can transmit ON/OFF signals to remote user devices using the digital output port of this product.

## Features

- 4 analog input ports: voltage or current
- 4 digital input ports: Wet Contact or Dry Contact input
- 4 digital output ports (Relay): both NO and NC output
- Support pulse mode on digital output ports
- Support counter function on digital input ports
- Support Modbus/TCP
- Support multiple TCP connection (Max. 4 channels)
- Support a master mode for the Internet Switch
- Support a 1-bit ADC function for the Internet Switch
- Industrial temperature range (-40°C ~ +85°C)

*\* Internet Switch: A configuration that connects devices to each other without an HMI to transmit digital signals in both directions*

## System Diagram



# Specifications

Digital Input	
Input Type	Dry Contact / Wet Contact / NPN / PNP
Input Voltage Range	4.5V ~ 25V
Number of Ports	4 ports
Digital Output	
Output Type	Relay (Type C - NO: Max DC 30V/5A with resistive load, NC: Max DC 30V/1A with resistive load)
Number of Ports	4 ports
Analog Input	
Input Type	Voltage (0V ~ 5V) or Current (4mA ~ 20mA / 0mA ~ 20mA)
Resolution	12 bits
Number of Ports	4 ports
Network Physical Interface	
Wired LAN	10Base-T/100Base-TX Ethernet (RJ45)
	Ethernet Speed Auto Sense
	1:1 or Cross-over Cable Auto Sense
Wireless LAN	IEEE802.11b/g Wireless LAN with a USB dongle
Software Functions	
Wireless LAN Mode	Infrastructure, Soft-AP
Protocols	IPv4/IPv6 Dual Stack, TCP/UDP, ICMP, DHCP, HTTP, mDNS, SSL/TLS WPA-PSK / WPA2-PSK, WPA-Enterprise (TTLS / PEAP)
Indicators (LEDs)	
LED	PWR, RUN, STS, LINK, MTX, MRX, Di0~Di3, Do0~Do3
Management	
spFinder	Configuration and Monitoring Tool
Security	Password
Dimension	
Size	180mm x 110mm x 26mm
Weight	About 485g
Operating Environments	
Input Voltage	PWR1 - Terminal Block, DC8.5V~38V
	PWR2 - DC jack, DC5V±0.2V
	USB (Setup) - USB type-B, DC5V±0.2V
Protection	Reverse Voltage Protection / Surge Protection
Current Consumption	Typically, 3.3W
Operating Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C
Certificate	
KC	Registration (KN 32, KN 35)
CE	EMC 2014/30/EU, RoHS 2011/65/EU
FCC	FCC Part 15 Subpart B, Class A