

Data Sheet

SIG-5431 | 4-Port Analog Input I/O Gateway to Sollae Cloud



Overview

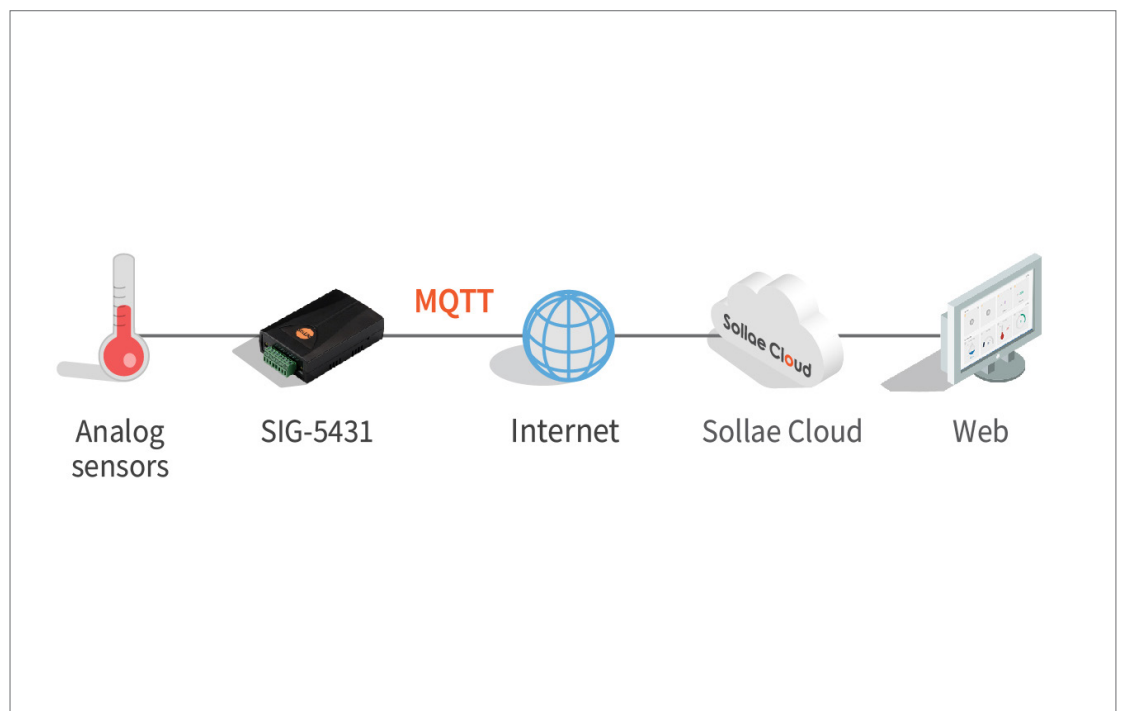
SIG-5431 is an industrial I/O Gateway connected to Sollae Cloud.

It is equipped with 4 analog input ports and an Ethernet interface. Users can remotely monitor analog values of sensors connected to this product by using a web browser on their PC, tablet, or smartphone.

Features

- 4 analog input ports: voltage (0 ~ 5V) or current (4 ~ 20mA, 0 ~ 20mA)
- Ethernet interface
- Freely connected to Sollae Cloud via MQTT
- Data is encrypted and securely transmitted using TLS 1.2
- Client certificate authentication for devices
- Industrial temperature range (-40°C ~ +85°C)

System Diagram



Specifications

Analog Input	
Input Type	Voltage (0V ~ 5V) or Current (4mA ~ 20mA / 0mA ~ 20mA)
Resolution	12 bits
Number of Ports	4 ports
Network Physical Interface	
Network Interface	10Base-T/100Base-TX Ethernet (RJ45)
	Ethernet Speed Auto Sense
	1:1 or Cross-over Cable Auto Sense
Software Functions	
Protocols	IP, TCP, ICMP, DHCP, mDNS, MQTT, SSL/TLS 1.2
Network Security	Client certificate-based mutual authentication over TLS 1.2
Indicators (LEDs)	
LED	MTX, MRX
Management	
spFinder	Configuration and Monitoring Tool
Security	Password
Dimension	
Size	94mm x 57mm x 23mm
Weight	About 62g
Operating Environments	
Input Voltage	DC5V±0.2V
Protection	Reverse Voltage Protection / Surge Protection
Current Consumption	Typically, 160mA
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