

SI-W000

› IIoT Edge Controller



Features



- 32-bit ARM RISC Processor
- Support Local I/O Board Expansion
- Support Remote I/O Module with Industrial Modbus Protocol
- Web pages for logic editing control and system configuration
- Built-in Timer and Schedule Function
- Built-in Intelligent Rule operation
- Data Logger ability
- Support Modbus TCP/RTU, MQTT, OPC UA, CGI Protocol
- Built-in Temperature and Humidity Sensor Module
- Expansion Slot for Wireless Module

Specifications



System

CPU Support	32-bit ARM RISC
Storage Support	8GB eMMC on board
Communication Interface	COM 1/2 for RS-232 (TxD, RxD, GND), non-isolated COM 3 for RS-485 (Data+, Data-), non-isolated COM 4 for RS-485 (Data+, Data-, GND.ISO), 3000 VDC isolation
microSD Expansion	1x microSD Card slot
Expansion Slot	1 x full-sized Mini PCIe with USB 2.0 signal
LED Indicator	Power LED, Green R/W LED, Orange Error LED, Red Link LED, Green
I ² C Interface	Temperature / Humidity Sensor Module
Power Supply	9~50V DC In from terminal block
Mounting Type	DIN-Rail / Wall Mount
System Weight	285 g
Dimensions (W x H x D)	115 x 90 x 49 mm
Certification	FCC / CE

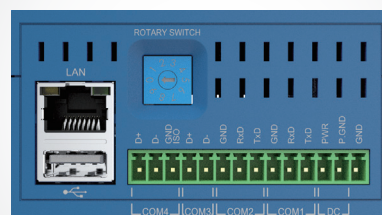
I/O Module Support & I/O Ports

Local I/O Module	1 x Local I/O Board with RS-232 signals
Remote I/O Module	COM 3 for Modbus RTU Slave modules COM 4 for Modbus RTU Slave modules LAN for Modbus TCP modules
USB	1 x USB 2.0 Type A
LAN	1 x RJ45 10/100/1000 Base-T
Display	1 x VGA
Antenna	1 x antenna hole

Applications

- Building Automation
- Factory Automation
- Machine Automation
- Remote Maintenance
- Remote Diagnosis

I/O Panel



Environment

Operating Temp. (Ambient with airflow)	-25°C~75°C (-13°F~167°F)
Storage Temp.	-40°C~85°C (-40°F~185°F)
Humidity	20%~90%

* All information contained in this document is subject to change without prior notice. Please log on www.protech.com.tw to acquire latest information. For detail mechanics drawing, please contact our sales.