

S-Series I/O



S-Series I/O modules can be used with any controller or computer that has the capability to be a ModbusTCP or Modbus RTU master, including all SoftPLC® Programmable Automation Controllers and SoftPLC Web Studio HMI's.

S-Series I/O is a family of modules that support a variety of signals, with combinations of digital and analog I/O per module. Some modules support only serial Modbus communications, while others support both serial Modbus and Ethernet ModbusTCP.

Removable terminal blocks, universal inputs, surge protection and signal isolation, DIN-rail or panel mounting are some of the common features in every module.

Stocked modules are listed below. Other modules are available or can be developed for volume requirements. Examples include 16 channel/16-bit analog inputs or higher current relay outputs.

Common Features/Specifications

- Serial: RS-485 Modbus RTU, 3 wire terminal block connection
- Ethernet: Modbus/TCP, RJ45 connector (*SIO-Exxxx models only*)
- Input Channels configurable to improve frequency
- Power Input: 12-24VDC
- Operating Temperature: -20~85°C, -13~185°F
- Storage Temperature: -40~100°C, -40~212°F
- Ambient Humidity: 10-90% RH
- Enclosure: Flameproof Plastic, IP31 rated
- DIN-rail or Panel Mount (*any direction*)
- Size: 115 x 90 x 43mm
- Protection: Lightning, Static, Over Current, Over Voltage

I/O Specifications

- Digital Inputs: 0-36VDC, 0-1000 Hz frequency or 32bit counter
- Digital Outputs: open collector, max 40mA/point
- Relay Outputs: 0.5A@120VAC
- Analog Inputs: 12 bit resolution, universal range (0-5V, 0-10V, 0-20mA, 4-20mA, thermistor)
- Analog Outputs: 0-10V

Currently Available Modules

Cat No	Digital Inputs	Digital Outputs	Relay Outputs	Analog Inputs	Analog Outputs
SIO-S5201 *	6	-	12	8	2
SIO-E5431	3	8	-	8	8
SIO-E5831	8	16	-	8	-
SIO-E6331	12	-	2	2	-
SIO-E6103	8	8	-	-	-
SIO-E6203	16	-	-	-	-
SIO-E6303	-	16	-	-	-
SIO-E6613	-	-	16	-	-
SIO-E6215	-	-	12	12	-

* Serial RS-485 Modbus communication only

SoftPLC Corporation <http://softplc.com>
 25603 Red Brangus, Spicewood, TX 78669
 512-264-8390 info@softplc.com

