

ASIO-7017 – 8 Ch Analog Input Module, Modbus



Features	
•	8-Channel Analog Inputs, Current/Voltage
•	Independently Configurable Channels
•	16-bit Resolution
•	Modbus RTU Serial Interface

Specifications			
Analog Input		EMS Protection	
Channels	8 Differential	ESD (IEC 61000-4-2)	±4 kV Contact/Terminal
Resolution	16-bit	EFT (IEC 61000-4-4)	±4 kV for Power Line
Input Impedance	20 MΩ	Surge (IEC 61000-4-5)	±0.5 kV for Power Line
Input Range	Voltage ±150mV, ±500mV, ±1V, ±5 V, ±10 V		
	Current: ±20 mA, 0 ~ 20 mA, 4 ~ 20 mA		
Accuracy	Normal: 0.1%		
Sampling Rate	Normal Mode: 10 Hz		
Protection	±15 VDC Common Voltage		
	±35 VDC Over Voltage		
Communication		Power	
Interface	RS-485	Polarity Protection	Yes, Reverse
Baud Rate	1200 to 115200 bps	Input Range	+10 ~ +30 VDC
Protocol	Modbus RTU	Consumption	1.3 W
Dual Watchdog	1.6 Sec, Communication (Programmable)	Isolation	
		Intra-Module Isolation	Field-to-logic 3000 VDC
		Mechanical	
		Dimensions (L x W x H)	123 mm x 72 mm x 35 mm
		Mounting	DIN-Rail or Wall Mounting
		Connectors	Plug-in Screws, Terminal Block
		LED Indicator	Power/Communication
		Environment	
		Operating Temperature	-25 to +75°C
		Storage Temperature	-40 to +85°C
		Relative Humidity	10 to 95% Non-condensing