

AEIO-7217 – 8 Ch Analog Input, 4 Ch Digital Output Dual Port Ethernet Module



Features	
•	8 Channel Analog Input, Current or Voltage
•	Independently Configurable Channels
•	4 Channel Digital Output
•	2-Port Ethernet Switch for Daisy-Chain
•	Modbus TCP/UPD

Specifications			
Analog Input		Communication	
Channels	8 (Differential)		
Type	Voltage +/-150mV, +/-500mV, +/-1V, +/-5V, +/-10V		
	Current +/-20mA, 0 ~ 20mA, 4 ~ 20mA		
Ch. Configuration	Yes, Individual		
Resolution	16-bit		
Sampling Rate	Normal 10 Samples/Sec		
	Fast 50 Samples/Sec		
Accuracy	Normal +/-0.1%		
	Fast +/-0.5% or better		
Zero Drift	+/-20 μ V/°C		
Span Drift	+/-25 ppm/°C		
Protection	240 Vrms Over Voltage		
	\pm 200 VDC Common Voltage		
	50 mA at 110 VDC Over Current		
Input Impedance	Voltage: 2 M Ω		
	Current: 125 Ω		
Common Mode	86 dB Min. (Rejection)		
Normal Mode	100 dB (Rejection)		
Detection	4 ~ 20 mA Only, Open Wire		
Virtual Isolation	400 VDC Channel to Channel		
Digital Output		2-Way Isolation	
Channels	4, Sink NPN		
Type	Isolated Open Collector		
Load Current (MAX)	700 mA/Channel		
Load Voltage	5 VDC ~ 50 VDC		
Value	Power-on, Safe		
Protection	60 VDC Over Voltage		
	1.4 A Overload		
	Yes Short-Circuit		
		Ethernet Switch Ports	2 x RJ-45, 10/100 Base-TX
		Protocol	Modbus TCP/UPD
		Security	ID, Password & IP Filter
		Dual Watchdog	0.8 Secs Communication Programmable
		Ethernet	1500 VDC
		I/O	2500 VDC
		EMS Protection	
		ESD (IEC 61000-4-2)	\pm 4 kV Contact/Terminal \pm 8 kV Air for Random Point
		EFT (IEC 61000-4-4)	\pm 2 kV for Power Line
		Surge (IEC 61000-4-5)	\pm 2 kV for Power Line
		Power	
		Polarity Protection	Yes, Reverse
		Power Range	12 ~ 48 VDC
		Consumption	4.5 W
		Mechanical	
		Dimensions (W x L x H)	76 mm x 120 mm x 38 mm
		Mounting	DIN-Rail or Wall Mounting
		Connectors	Plug-in Screws, Terminal Block
		LED Indicators	DO Status, Run, Ethernet
		Environment	
		Operating Temperature	-25 ~ +75°C
		Storage Temperature	-30 ~ +80°C
		Relative Humidity	10 ~ 90% Non-condensing