

AEIO-7218Z – 10-Ch T/C Universal AI, 3 Ch DO, Dual port Ethernet Module



Features	
•	10 Channel Analog Inputs Thermocouple, Current or Voltage
•	3 Channel Digital Output
•	Independently Configurable Channels for: Alarming
•	Automation Cold Junction Compensation/Channel
•	2-Port Ethernet Switch for Daisy-Chain
•	Modbus TCP/UDP

Specifications

Analog Input		Communication	
Channels	10 (Differential)	Ethernet Switch Ports	2 x RJ-45, 10/100 Base-TX
Sensor Type	Voltage +/-15 mV, +/-50 mV, +/-100 mV, +/-500 mV, +/-1 V, +/-2.5 V	Protocol	Modbus TCP/UPD
	Current +/-20 mA, 0 ~ 20 mA, 4 ~ 20 mA (w/opt External 125 Ω Resistor)	Security	ID, Password & IP Filter
	J, K, T, E, R, S, B, N, C, L, M, LDIN43710	Dual Watchdog	0.8 Secs Communication Programmable
Ch. Configuration	Individual	2-Way Isolation	
Resolution	16-bit	Ethernet	1500 VDC
Sampling Rate	10 samples/sec	I/O	2500 VDC
Accuracy	+/-0.1% of FSR or better	EMS Protection	
Zero Drift	+/-0.5 μV/°C	ESD (IEC 61000-4-2)	±4 kV Contact/Terminal ±8 kV Air for Random Point
Span Drift	+/-25 ppm/°C	EFT (IEC 61000-4-4)	±2 kV for Power Line
Protection	350 Vrms Over Voltage	Surge (IEC 61000-4-5)	±2 kV for Power Line
Input Impedance	>300 kΩ	Power	
Common Mode	150 dB Min. (Rejection)	Polarity Protection	Yes, Reverse
Normal Mode	100 dB (Rejection)	Power Range	12 ~ 48 VDC
Open Wire Detection	Yes	Consumption	4.5 W
Virtual Isolation	+/-400 VDC Ch-Ch	Mechanical	
Detection	Yes, Open Wire	Dimensions (W x L x H)	76 mm x 120 mm x 38 mm
Digital Output		Mounting	DIN-Rail or Wall Mounting
Channels	3	Connectors	Plug-in Screws, Terminal Block
Type	Isolated Open Collector	LED Indicators	DO Status, Run, Ethernet
Max Load Current	650 mA/Channel	Environment	
Load Voltage	5 VDC ~ 50 VDC	Operating Temperature	-25 ~ +75°C
Protection	60 VDC Over Voltage	Storage Temperature	-30 ~ +80°C
	1.4 A Overload	Relative Humidity	10 ~ 90% Non-condensing
	Yes, Short-Circuit		