

AEIO-7255 – 8 Ch DI/Counter, 8 Ch DO, Dual Port Ethernet Module



Features	
•	8 Channel Digital Input/Counters
•	8 Channel DC Outputs, Sourcing
•	2-Port Ethernet switch for Daisy-Chain
•	Modbus TCP/UDP

Specifications

Digital Input/Counter	
Channels	8 Dry & Wet
Wet Contact (Sink/Source)	On Voltage 10 VDC ~ 50 VDC
	Off Voltage +4 VDC
Dry Contact (Source)	On Voltage Closed to GND
	Off Voltage Open
Input Impedance	10 kΩ
Protection	Over Voltage +70 VDC
Effective Distance	500 M (Max)
Counters	4,294,967,295, Max (32 bits)
	Max Input Frequency 100 Hz
	Min. Pulse Width 5 ms
Digital Output	
Channels	8 Source PNP
Type	Isolated Open Collector
Max. Load Current	650 mA/channel at 25°C
Load Voltage	+10 VDC ~ +40 VDC
Protection	47 VDC Over Voltage
	Short-circuit
Power-on Value	Yes, programmable
Safe Value	Yes, Programmable

Communication	
Ethernet Switch Port	2 x RJ-45, 10/100 Base-TX
Protocols	Modbus TCP & UDP
Security	ID, Password and IP Filter
Dual Watchdog	0.8 sec, Communication (Programmable)
2-Way Isolation	
Ethernet	1500 VDC
I/O	2500 VDC
EMS Protection	
ESD (IEC 61000-4-2)	±4 kV Contact/Terminal ±8 kV Air for Random Point
EFT (IEC 61000-4-4)	±2 kV for Power Line
Surge (IEC 61000-4-5)	±2 kV for Power Line
Power	
Polarity Protection	Yes, Reverse
Power Range	12 ~ 48 VDC
Consumption	3.8 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	DI/DO Status, Run, Enet
Environmental	
Operating Temp	-25 ~ +75°C
Storage Temp	-30 ~ +80°C
Relative Humidity	10 ~ 90% Non-condensing