

AEIO-6251 – 16 Channel Digital Input Modbus TCP Module

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Features	
16 channels digital input	
Operating Temperature -10~70°C	
Ethernet ModbusTCP interface to SoftPLC	

Specifications			
Digital Input		General	
Channels	16	Ethernet	2-port 10/100 Base-TX (for Daisy Chain)
Dry Contact	Logic 0: Open Logic 1: Closed to DGND	LED Indication	16 DI
Wet Contact	Logic 0: 0 ~ 3 VDC or 0 ~ -30 VDC Logic 1: 10 ~ 30 VDC or -10 ~ -30 VDC	Protocol	Modbus/TCP, TCP/IP, UDP, HTTP, DHCP
Input Impedance	5.2 kΩ (Wet Contact)	Connector	Plug-in 5P/15P screw terminal blocks
Transition Time	0.2 ms	Power Input	10 – 30 VDC (24 VDC standard)
Frequency Input Range	0.1 ~ 3kHz	Watchdog Timer	System (1.6 seconds) Communication (Programmable)
Counter Input	3kHz (32 bit + 1 bit overflow)	Dimensions	110 x 60 x 27 mm
Keep/Discard Counter Value when power off		Protection	Built-in TVS/ESD protection Power Reversal Protection Over Voltage protection: +/-35VDC Isolation Protection: 2500 VDC
Supports Inverted DI Status		Power Consumption	2.7 W @ 24 VDC
		Module Dimensions	110 x 60 x 27 mm (HxWxD)
		Construction Material	Impact Resistant ABS plastic
		Certifications & Compliances	CE, FCC rated, ROHS Compliant

Environment	
Temperature	Operating: -10 ~ 70°C (-14 ~ 158°F)
	Storage: -20 ~ 80°C (-4 ~ 176°F)
Relative Humidity (non-condensing)	Operating: 20 ~ 95% RH
	Storage: 0 ~ 95% RH

