

# AEIO-6217 – 8 Channel Analog Input ModbusTCP Module

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Features
8 channels analog input
16 bit resolution
Ethernet/IP version: AEIO-61124EI Profinet version: AEIO-6124PN
(2) LAN ports for daisy-chain connections, no switches, racks, or bus couples required
Ethernet ModbusTCP interface to SoftPLC

## Specifications

Analog Input		General	
<b>Channels</b>	8 (differential)	<b>Ethernet</b>	2-port 10/100 Base-TX (for Daisy Chain)
<b>Input Impedance</b>	>10 M $\Omega$ (voltage) 120 $\Omega$ (current)	<b>LED Indication</b>	4 RL + 4 DI
<b>Input Type</b>	mV, V, mA	<b>Protocol</b>	Modbus/TCP, TCP/IP, UDP, HTTP, DHCP
<b>Input Range</b>	$\pm 150$ mV, $\pm 500$ mV, $\pm 1$ V, $\pm 5$ V, $\pm 10$ V, 0~20 mA, 4~20 mA, $\pm 20$ mA	<b>Connector</b>	Plug-in 5P/15P screw terminal blocks
<b>Span Drift</b>	$\pm 30$ ppm/ $^{\circ}$ C	<b>Power Input</b>	10 ~30 VDC (24 VDC standard)
<b>Zero Drift</b>	$\pm 6\mu$ V/ $^{\circ}$ C	<b>Watchdog Timer</b>	System (1.6 seconds) Communication (Programmable)
<b>Resolution</b>	16-bit	<b>Dimensions</b>	110 x 60 x 27 mm
<b>Accuracy</b>	$\pm 0.1\%$ of FSR (Voltage) at 25 $^{\circ}$ C $\pm 0.2\%$ of FSR (Current) at 25 $^{\circ}$ C	<b>Protection</b>	Built-in TVS/ESD protection Power Reversal Protection Over Voltage protection: +/-35VDC Isolation Protection: 2500 VDC
<b>Sampling Rate</b>	10 samples/second (total)	<b>Power Consumption</b>	3.5 W @ 24 VDC
<b>CMR @ 50/60 Hz</b>	92 dB	<b>Module Dimensions</b>	110 x 60 x 27 mm (HxWxD)
<b>NMR @ 50/60 Hz</b>	60 dB	<b>Construction Material</b>	Impact Resistant ABS plastic
<b>Common Mode</b>	200 VDC	<b>Certifications &amp; Compliances</b>	CE, FCC rated, ROHS Compliant
Environment			
<b>Temperature</b>	<b>Operating:</b> -10 ~ 70 $^{\circ}$ C (-14 ~ 158 $^{\circ}$ F)		
	<b>Storage:</b> -20 ~ 80 $^{\circ}$ C (-4 ~ 176 $^{\circ}$ F)		
<b>Relative Humidity (non-condensing)</b>	<b>Operating:</b> 20 ~ 95% RH		
	<b>Storage:</b> 0 ~ 95% RH		

