

# AEIO-6224 – 4 Channel Analog Output ModbusTCP Module

02/06/14



Features	
4 Channel Analog Output	
4 Channel Digital Input	
12 bit resolution	
Ethernet ModbusTCP interface to SoftPLC	

## Specifications

Analog Output		General	
<b>Channels</b>	4	<b>Ethernet</b>	2-port 10/100 Base-TX (for Daisy Chain)
<b>Output Impedance</b>	2.1 M $\Omega$	<b>Protocol</b>	Modbus/TCP, TCP/IP, UDP, HTTP, DHCP
<b>Output Settling Time</b>	20 $\mu$ s	<b>Connector</b>	Plug-in 5P/15P screw terminal blocks
<b>Driving Load</b>	<b>Voltage:</b> 2k $\Omega$ <b>Current:</b> 500 $\Omega$	<b>Power Input</b>	10 ~ 30 VDC (24 VDC standard)
<b>Programmable Output Slope</b>	0.125 ~ 128 mA/sec 0.0625 ~ 64 V/sec	<b>Watchdog Timer</b>	System (1.6 seconds) Communication (Programmable)
<b>Output Type</b>	V, mA	<b>Dimensions</b>	110 x 60 x 27 mm
<b>Output Range</b>	0 ~ 5V, 0 ~ 10V, $\pm$ 5V, $\pm$ 10V, 0 ~ 20 mA, 4 ~ 20 mA	<b>Protection</b>	Built-in TVS/ESD protection Power Reversal Protection Over Voltage protection: $\pm$ 35VDC Isolation Protection: 2500 VDC
<b>Accuracy</b>	$\pm$ 0.3% of FSR (Voltage) at 25 $^{\circ}$ C $\pm$ 0.5% of FSR (Current) at 25 $^{\circ}$ C	<b>Power Consumption</b>	6 W @ 24 VDC
<b>Resolution</b>	12-bit	<b>Module Dimensions</b>	110 x 60 x 27 mm (HxWxD)
<b>Current Load Resistor</b>	0 ~ 500 $\Omega$	<b>Construction Material</b>	Impact Resistant ABS plastic
<b>Drift</b>	$\pm$ 50 ppm/ $^{\circ}$ C	<b>Certifications &amp; Compliances</b>	CE, FCC rated, ROHS Compliant
Digital Input		Environment	
<b>Channels</b>	4 (Dry Contact only)	<b>Temperature</b>	<b>Operating:</b> -10 ~ 70 $^{\circ}$ C (-14 ~ 158 $^{\circ}$ F)
<b>Dry Contact</b>	Logic 0: Open Logic 1: Closed to DGND		<b>Storage:</b> -20 ~ 80 $^{\circ}$ C (-4 ~ 176 $^{\circ}$ F)
<b>Support DI Filter</b>		<b>Relative Humidity (non-condensing)</b>	<b>Operating:</b> 20 ~ 95% RH
<b>Support Inverted DI Status</b>			<b>Storage:</b> 0 ~ 95% RH
<b>Support Trigger to Startup or Safety Value</b>			

