

# ASIO-4016 - 1 Channel Analog Input/Output Module

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Features	
1 channel current/low voltage analog input	
16 bit resolution	
1 channel analog output	
(4) Digital Outputs	
Serial interface to SoftPLC using ADAM-4000 TLM	

## Specifications

Analog Input	
<b>Channels</b>	1 differential
<b>Input Impedance</b>	<b>Voltage:</b> 2MΩ
	<b>Current:</b> 125MΩ (Added by users)
<b>Input Type</b>	mV and mA
<b>Input Range</b>	±15 mV ±50 mV ±100 mV ±500 mV ±20 mA
<b>Accuracy</b>	<b>Voltage mode:</b> ±0.1% or better
	<b>Current mode:</b> ±0.2% or better
<b>Span Drift</b>	±25 ppm/°C
<b>Zero Drift</b>	± 6 μV/°C
<b>CMR @ 50/60 Hz</b>	150 dB
<b>NMR @ 50/60 Hz</b>	100 dB
<b>Resolution</b>	16 bits
<b>Sampling Rate</b>	10 samples/second (total)
<b>Isolation Voltage</b>	3,000 VDC

Digital Output	
<b>Channels</b>	4, open collector to 30 V, 30 mA max. load
<b>Power Dissipation</b>	300 mW

General	
<b>Connectors</b>	(2) plug-in terminal blocks (#14~22 AWG)
<b>Power Consumption</b>	2.2 W @ 24 VDC
<b>Watchdog Timer</b>	System (1.6 second)
<b>Supported Protocols</b>	ASCII command
<b>Power Input</b>	Unregulated 10 ~ 30 VDC
<b>Module Dimensions</b>	110 x 60 x 27 mm (HxWxD)
<b>Construction Material</b>	Impact Resistant ABS plastic
<b>Certifications &amp; Compliances</b>	UL, UL(C), CE, FCC rated, ROHS Compliant

Analog Output	
<b>Channels</b>	1
<b>Accuracy</b>	0.05% of FSR
<b>Output Type</b>	V
<b>Output Range</b>	0 ~ 10 V
<b>Drift</b>	±50 ppm/°C
<b>Drive Current</b>	30 mA
<b>Isolation Voltage</b>	3,000 VDC

Environment	
<b>Humidity</b>	5 ~ 95% RH
<b>Temperature</b>	<b>Operating:</b> -10 ~ 70°C (14 ~ 158°F)
	<b>Storage:</b> -25 ~ 85°C (-13 ~ 185°F)

