

# ASIO-4017+ - 8 Channel Analog Input Modules w/ Modbus

02/17/14



Features
8 channels Analog Input
16 bit resolution
Serial RS-485 interface to SoftPLC, via Modbus or ADAM-4000 TLM

Specifications	
Analog Input	
<b>Channels</b>	8 differential, independently configurable
<b>Input Impedance</b>	<b>Voltage:</b> 20MΩ
	<b>Current:</b> 120MΩ
<b>Input Type</b>	mV, V, mA
<b>Input Range</b>	±150 mV, ±500 mV, ±1V, ±5 V, ±10 V, ±20 mA, 4 ~ 20 mA
<b>Accuracy</b>	<b>Voltage mode:</b> ±0.1% or better
	<b>Current mode:</b> ±0.2% or better
<b>Resolution</b>	16-bit
<b>Sampling Rate</b>	10 samples/second (total)
<b>Isolation Voltage</b>	3000 VDC
<b>Overvoltage Protection</b>	±35 VDC
<b>CMR @ 50/60 Hz</b>	120 dB
<b>NMR @ 50/60 Hz</b>	100 dB
<b>Span Drift</b>	±25 ppm/°C
<b>Zero Drift</b>	±6μV/°C
<b>Built-in TVS/ESD Protection</b>	
General	
<b>Power Consumption</b>	1.2 W @ 24 VDC
<b>Watchdog Timer</b>	System (1.6 second) & Communication
<b>Supported Protocols</b>	ASCII command and Modbus/RTU
<b>Power Input</b>	Unregulated 10 ~ 30 VDC
<b>Connectors</b>	(2) plug-in terminal blocks (#14~22 AWG)
<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
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)