

# ASIO-4117 – Robust 8 Ch Analog Input w/ Modbus

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Features	
8 independently configurable analog channels	
-40 ~ 85°C Extended Operating Temperature	
16 bit resolution	
Serial RS-485 interface to SoftPLC, via Modbus or ADAM-4000 TLM	

Specifications			
Analog Input		General	
<b>Channels</b>	8 differential and independently configurable channels	<b>Connectors</b>	(2) plug-in terminal blocks (#14 ~ 22 AWG)
<b>Input Impedance</b>	<b>Voltage:</b> 20 MΩ <b>Current:</b> 120 Ω	<b>Watchdog Timer</b>	System (1.6 second) & Communication
<b>Input Type</b>	mV, V (supports unipolar and bipolar), mA	<b>Supported Protocols</b>	ASCII Command and Modbus/RTU
<b>Input Range</b>	0 ~ 150mV, 0 ~ 500mV, 0 ~ 1V, 0 ~ 5V, 0 ~ 10V, 0 ~ 15V, ±150 mV, ±500 mV, ±1 V, ±5 V, ±10 V, ±15 V, ±20 mA, 0~20 mA, 4~20 mA	<b>Power Consumption</b>	1.2 W @ 24 VDC
<b>Accuracy</b>	<b>Voltage mode:</b> ±0.1% or better <b>Current mode:</b> ±0.2% or better	<b>Power Input</b>	Unregulated 10 ~ 48 VDC w/power reversal protection
<b>Resolution</b>	16-bit	<b>Isolation Voltage</b>	3,000 VDC
<b>Sampling Rate</b>	10/100 samples/sec (selected by utility)	<b>Module Dimensions</b>	110 x 60 x 27 mm (HxWxD)
<b>CMR @ 50/60 Hz</b>	92 dB	<b>Construction Material</b>	Impact Resistant ABS plastic
<b>NMR @ 50/60 Hz</b>	60 dB	<b>Certifications &amp; Compliances</b>	UL, UL(C), CE, FCC rated, ROHS Compliant
<b>Over Voltage Protection</b>	±60 VDC	<b>Environment</b>	
<b>High Common Mode</b>	200 VDC	<b>Humidity</b>	5 ~ 95% RH
<b>Span Drift</b>	±25 ppm/°C	<b>Temperature</b>	<b>Operating:</b> -40 ~ 85°C (-40 ~ 185°F)
<b>Zero Drift</b>	±6µV/°C		<b>Storage:</b> -40 ~ 85°C (-40 ~ 185°F)
<b>Built-in TVS/ESD Protection</b>		<b>Supports Noise Rejection</b>	

