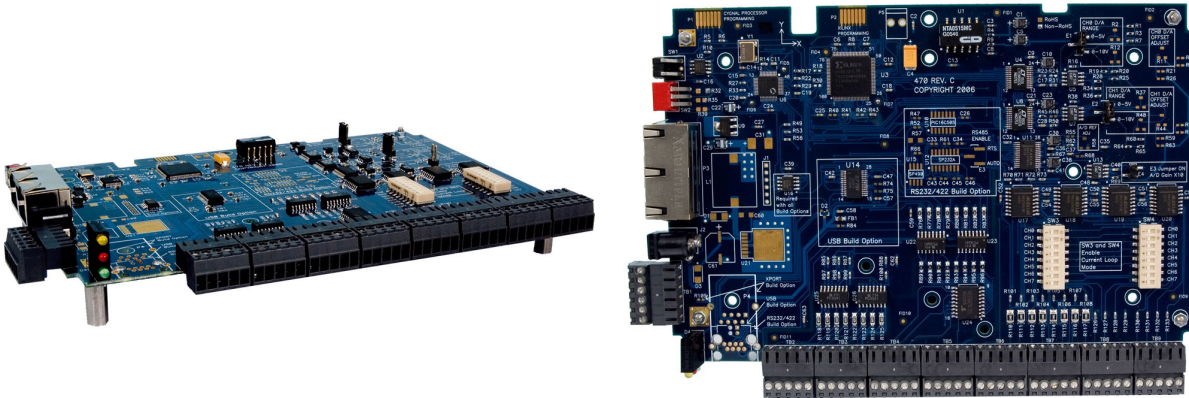# 16 A/D, 2 D/A, 8 Open-Collector Outputs, 8 Isolated Inputs SeaI/O Expansion Module

sealevel.com/product/470n-oem-16-a-d-2-d-a-8-open-collector-outputs-8-isolated-inputs-seai-o-expansion-module

Part: 470N-OEM   **Model:** Seal/O-470N-OEM

$401.00

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Description

The Seal/O-470N-OEM adds eight differential or 16 single-ended 12-bit inputs, two 12-bit D/A output channels, eight optically isolated inputs, and eight open-collector outputs to your Seal/O network. Compatible with all Seal/O base units (Ethernet, USB, RS-485, RS-232), the Seal/O-470N-OEM connects easily using an RS-485 input. Cabling is accomplished via the units RJ45 connector or removable screw terminals. RS-485 line conditioning allows easy installation of termination and pull-up/pull-down resistors.

All Seal/O N-series expansion modules ship with four metal standoffs with nuts. The metal standoffs allow you to connect multiple Seal/O OEM boards together in a stack. The optional CA239 interconnect cable can be used to connect Seal/O OEM boards together via the RJ45 pass-through connectors, providing an easy method to cascade RS-485 signals and power from one module to the next. Alternatively, use inexpensive CAT5 cabling to pass data signals between Seal/O OEM boards to create a distributed network.

Category: Expansion

Additional information

A/D Chip	Maxim MAX197
A/D Inputs	8 Differential or 16 Single-Ended
A/D Range	0-5V, 0-10V, +/-5V, +/-10V
A/D Resolution	12-bits
Analog I/O	A/D Inputs, D/A Outputs
Family	SeaI/O
D/A Range	0-5V, 0-10V
D/A Resolution	12-bits
Digital I/O	Isolated Inputs, Open-Collector Outputs
Dimensions	7.5 (L) x 5.0 (W) x 0.8 (H)
Extended Temperature	Call for Options
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Input Isolation	300V
Input Range	5-30 VDC
Host Interface(s)	Expansion
Number of Inputs/Outputs	8 Inputs, 8 Outputs
OEM	Yes
Operating Temperature	0°C to 70°C (32°F to 158°F)

Output Dissipation	Max. 500mA (single), Max. 580mA (all)
Output Type	Open-Collector
Output Voltage	Max. 30V
# of Ports	16/2/8/8
Power Requirement	9-30 VDC @ 1.5W
RoHS Compliant	Yes
Storage Temperature	-50°C to 105°C (-58°F to 221°F)

Watch Video At: https://youtu.be/E6mOLcfzQaY

Quick connection to SeaI/O devices using RJ45 connector or removable screw terminals
8 differential or 16 single-ended 12-bit inputs
2 12-bit D/A output channels
8 optically isolated inputs
8 open-collector outputs
Removable screw terminals simplify field wiring
Input power via terminal block or modular connector
Includes four 3/4 metal standoffs with nuts