16 Optically Isolated Input / 16 Open-Collector Output SeaI/O Expansion Module

Part: 530N | **Model:** SeaI/O-530N

The SeaI/O-530N adds 16 optically isolated inputs and 16 open-collector outputs to your SeaI/O network. Compatible with all SeaI/O base units (Ethernet, USB, RS-485, RS-232), the SeaI/O-530N 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 SeaI/O N-series expansion modules ship with an expansion and strap kit that includes four metal straps, four #4-40 screws, and a 5" RJ45 RS-485 interconnect cable. The metal straps allow you to connect multiple SeaI/O modules together in a stack. The interconnect cable can be used to connect SeaI/O modules 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 SeaI/O modules to create a distributed network.

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Features & Specifications
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Features

- Quick connection to Seal/O devices using RJ45 connector or removable screw terminals
- 16 optically isolated inputs
- 16 open collector outputs
- Removable screw terminals simplify field wiring
- Input power via terminal block or modular connector
- Optional DIN rail or table mount
- Includes expansion and strap kit (item# KT122)

Specifications

Family	Seal/O
Digital I/O	Isolated Inputs, Reed Relay Output
Dimensions	7.5 (L) x 5.1 (W) x 1.3 (H)
Extended Temperature	Call for Options
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Input Isolation	2500 VAC RMS, 3500 VDC
Input Range	5-30 VDC
Input Impedance	6.2 K Ohms (in series)
Number of Inputs/ Outputs	16 Inputs / 16 Outputs
Operating Temperature	-25°C to 85°C (-13°F to 185°F)
Output Dissipation	Max. 1000mA (single), Max. 2000mA (port)
Output Isolation	2500VAC RMS, 3500VDC
Output Power	DC 60W max.
Output Type	Open-Collector
Output Voltage	Max. 60VDC
# of Ports	16/16
Power Requirement	9-30 VDC @ 1.4W
RoHS Compliant	Yes
Storage Temperature	-50°C to 105°C (-58°F to 221°F)