# 96 Channel TTL Digital Interface SeaI/O Expansion Module

**Part:** 462N  |  **Model:** SeaI/O-462N

The SeaI/O-462N adds 96 channels of buffered drive digital I/O to your SeaI/O network. Compatible with all SeaI/O base units (Ethernet, USB, RS-485, RS-232), the SeaI/O-462N 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
## 96 Channel TTL Digital Interface Seal/O Expansion Module

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## Features

- RS-485 Modbus/RTU interface
- 96 channels of buffered TTL I/O via two DB-78 female connectors
- Each 8-bit port individually configurable as input or output
- Easily connects to industry standard solid-state relay racks with 50-pin connectors, using optional CA237 cables
- Status indicator LEDs for Communication, Fault, and Power
- Input power via terminal block or modular connector
- DIN rail or table mount
- Includes expansion and strap kit (item# KT122)

## Specifications

| | |
|---|---|
| **Family** | Seal/O |
| **Digital I/O** | TTL I/O |
| **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 |
| **Host Interface(s)** | Expansion |
| **Number of Inputs/ Outputs** | 96 TTL |
| **Operating Temperature** | 0°C to 70°C (32°F to 158°F) |
| **Output Power** | +5V @ 1A (5W) max. |
| **Output Specification** | Sink up to 64mA, Source up to 32mA |
| **# of Ports** | 96 |
| **Power Requirement** | 9-30 VDC @ 2.0W |
| **Storage Temperature** | -50°C to 105°C (-58°F to 221°F) |