Ethernet Modbus TCP to 96 Channel TTL Digital Interface

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

The SeaI/O-462E Ethernet to digital I/O interface module provides 96 channels of buffered drive digital I/O. The interface module addresses the 96 channels of I/O as 12 eight-bit ports, each programmable as input or output. Connect up to four industry-standard relay racks for PC based control and automation of equipment including sensors, switches, security control systems, and other industrial automation systems.

The SeaI/O-462E makes the I/O available via dual DB-78 female connectors. For easy connection to relay racks, Sealevel offers a six-foot cable (Item# CA237) that terminates each DB-78 connector to two industry-standard 50-pin IDC connectors. The SeaI/O-462E is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the SeaI/O-462E using industry-standard Modbus TCP protocol or use the Sealevel SeaMAX API software libraries from your application program. Sealevel's SeaMAX software drivers and utilities make installation and operation easy using Microsoft Windows and Linux operating systems.

The Sealevel Modbus Connect app for iOS allows you to access the registers, coils and discrete I/O of your Sealevel Modbus devices and is available on the App Store. Use the app to remotely access I/O in the field or for testing and troubleshooting during application development.

Expand your I/O network with SeaI/O N-series products. SeaI/O modules are available with Reed and Form C relays, optically isolated inputs, TTL interfaces, A/D and D/A functionality. Up to 246 additional expansion modules can be added using convenient pass-through connectors.

Get a jump start on your digital I/O development with The Digital I/O Handbook that will provide helpful information that you will use again and again. Check out Chapter 1 for an overview of logic principles.

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Features & Specifications

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Features

- 10/100BaseT Ethernet Modbus TCP 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
- Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems

Specifications

Family	SeaI/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)	Ethernet
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
RoHS Compliant	Yes
Storage Temperature	-50°C to 105°C (-58°F to 221°F)

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