RS-485 Modbus RTU Interface to 16 Form C Relay Outputs

Part: 450M | **Model:** SeaI/O-450M

The SeaI/O-450M provides 16 SPDT Form C relays. Each relay output is rated for switching up to 60VDC @ 2A. Connection to the host device is made via an RS-485 connection. The SeaI/O-450M is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the SeaI/O-450M using industry-standard Modbus RTU 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.

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.

Features & Specifications

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Features

- RS-485 Modbus RTU interface
- 16 SPDT Form C relays
- Removable screw terminals simplify field wiring
- Input power via terminal block or modular connector
- DIN rail mount or table mount
- Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems

Specifications

Family	SeaI/O
Host Interface(s)	RS-485
Digital I/O	Form C Relay Outputs
Number of Inputs/Outputs	16 Outputs
# of Ports	16
Serial Ports	Two RS-232, One RS-485
Contact Current	2A max.
Contact Operate Time	2ms max.
Contact Release Time	1ms max.
Contact Voltage	60VDC max.
Power Requirement	9-30 VDC @ 3.8W
RoHS Compliant	Yes
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 80°C (-4°F to 176°F)
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Dimensions	7.5 (L) x 5.1 (W) x 1.3 (H)