Wi-Fi 802.11b/g Modbus TCP to 16 Form C Relay Outputs

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

The SeaI/O-450W provides 16 SPDT Form C relays. Connection to the host device is made via a wireless network connection. The SeaI/O-450W is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the SeaI/O-450w over Wi-Fi (802.11b and 802.11g) networks 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. Security features include WEP and the latest WPA-TKIP and WPA2-AES encryption standards.

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.

Features & Specifications
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Features

- Complies with 802.11g and 802.11b (2.4GHz) networking standards
- Wireless security supports WEP, WPA-TKIP, and WPA2-AES encryption standards
- 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
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Contact Current	2A max.
Contact Operate Time	2ms max.
Contact Release Time	1ms max.
Contact Voltage	60VDC max.
Digital I/O	Form C Relay Outputs
Dimensions	7.5 (L) x 5.1 (W) x 1.3 (H)
Extended Temperature	Call for Options
Frequency Range	2.412 – 2.484 GHz
Contact Bounce Time	7ms max.
Number of Inputs/Outputs	16 Outputs
Host Interface(s)	Wi-Fi (802.11bgn)
Operating Temperature	0°C to 70°C (32°F to 158°F)
Output Power	14dBm +1.5/-1.0 dBm
# of Ports	16
Power Requirement	9-30 VDC @ 5.8W
RoHS Compliant	Yes
Storage Temperature	-50°C to 105°C (-58°F to 221°F)
Wireless Channels	11 (US)13 (Europe, Japan)
Wireless Range	328' (Indoors)
Wireless Data Rates	54Mbps Max.1Mbps Min.
Wireless Standards	802.11b802.11g802.11i