Wi-Fi 802.11b/g Modbus TCP Interface to 16 Isolated Inputs / 16 Reed Relay Outputs

Part: 410W | **Model:** SeaI/O-410W

The SeaI/O-410W is a wireless interface to 16 optically isolated inputs and 16 Reed relay outputs. Inputs can range from 5-30VDC, while the Reed relays provide long-life switch closures well suited to low current devices. Inputs and outputs are grouped into four-bit segments that each share a common for easy wiring via removable 3.5mm terminal blocks. The SeaI/O-410W is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the SeaI/O-410W over Wi-Fi (802.11b and 802.11g) networks using the Sealevel SeaMAX API software libraries or use any Modbus TCP compliant device. 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

Wi-Fi 802.11b/g Modbus TCP Interface to 16 Isolated Inputs / 16 Reed Relay Outputs

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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 SPST Form A Reed relays
- 16 optically isolated inputs
- Removable screw terminals simplify field wiring
- 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	Seal/O
Contact Bounce Time	0.5ms max.
Contact Current	500mA max.
Contact Operate Time	0.5ms max.
Contact Release Time	0.2ms max.
Contact Voltage	60VDC max.
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
Frequency Range	2.412 – 2.484 GHz
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Input Isolation	300V
Input Range	5-30 VDC
Host Interface(s)	Wi-Fi (802.11bgn)
Number of Inputs/ Outputs	16 Inputs16 Outputs
Operating Temperature	0°C to 70°C (32°F to 158°F)
Output Power	14dBm +1.5/-1.0 dBm
# of Ports	16/16
Power Requirement	9-30 VDC @ 3.4W
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	802.11b/g802.11i