



USB to 16 Isolated Inputs / 16 Reed Relay Outputs Digital Interface Adapter

Part: 8221 | **Model:** SeaDAC DIO-32

Control and monitor 16 optically isolated inputs and 16 Reed relay outputs via any USB connection with the 8221. 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.

SeaDAC modules are housed in a rugged, attractive plastic enclosure and include a highly-retentive USB Type B connector to prevent accidental disconnection. The 8221 is USB bus-powered, so no external power supply is needed. Standard operating temperature range of SeaDAC modules is 0°C to 70°C and extended temperature range (-40°C to 85°C) is optional.

The SeaMAX software suite supports the SeaDAC family and is designed to work with third-party applications via the SeaMAX API software libraries, or use any Modbus RTU compliant device. Sealevel's SeaMAX software drivers and utilities make installation and operation easy using Microsoft Windows and Linux operating systems.

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

USB to 16 Isolated Inputs / 16 Reed Relay Outputs Digital Interface Adapter

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Features

- 16 optically isolated inputs
- 16 SPST Form A Reed relays
- Removable screw terminals simplify field wiring
- High-retention USB Type B connector prevents accidental disconnection of USB cable
- Powered by USB connection
- Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems
- Housed in rugged, attractive plastic enclosure
- 72-inch USB A to B cable included

Specifications

| | |
|---------------------------------|--------------------------------------------|
| Family | SeaDAC |
| Humidity Range | 10 – 90% Relative Humidity, Non-Condensing |
| 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 Outputs |
| Dimensions | 9.2 (L) x 5.3 (W) x 1.7 (H) |
| Extended Temperature | Call for Options |
| Contact Bounce Time | 0.5ms max. |
| Input Range | 5-30 VDC |
| Input Isolation | 300V |
| Host Interface(s) | USB |
| Modbus | Modbus RTU |
| Number of Inputs/Outputs | 16 Inputs16 Outputs |
| Operating Temperature | 0°C to 70°C (32°F to 158°F) |
| # of Ports | 16/16 |
| Power Requirement | +5V @ 500mA |
| Storage Temperature | -50°C to 105°C (-58°F to 221°F) |
| USB Specification | 1.1 Compliant, 2.0 Compatible |