

# USB Digital I/O - SeaDAC

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

Item # 8221

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. Installation and operation is easy using Windows 2000/XP and SeaMAX now supports the Windows Vista operating system. Download the updated driver below.

### Unique 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 software supports Windows 2000/XP/Vista operating systems
- ▶▶ Housed in rugged, attractive plastic enclosure
- ▶▶ 72" USB A to B cable included



### Technical Specifications

Number of I/O	16 Inputs 16 Outputs
Power Requirement	+5V @ 500mA
Input Isolation	300V
Input Range	5-30 VDC
Contact Voltage	60VDC Max
Contact Current	500mA Max
Contact Operate Time	0.5ms Max
Contact Bounce Time	0.5ms Max
Contact Release Time	0.2ms Max
Operating Temperature	0 - +70° C
Storage Temperature	-50° - +105° C
Humidity Range	10 - 90% R.H.
USB Specification	1.1 Compliant 2.0 Compatible
Dimensions	9.2 (L) x 5.3 (W) x 1.7 (H)

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