



# PCI Express 16 Reed Relay Output / 16 Isolated Input Digital Interface (10-30V)

**Part:** 8004He | **Model:** DIO-32.PCIE

The 8004He PCI Express digital I/O interface provides 16 optically isolated inputs and 16 Reed relay outputs. The isolated inputs protect the PC and other sensitive equipment from the voltage spikes and ground loop currents that are common to industrial environments. The outputs provide high quality, long-life, dry contact switch closures suitable for low-current applications. Reed relays are normally open and close when energized. The board is PCI Express X1 compliant and is compatible with any PCI Express slot.

The inputs on the 8004He are rated for 10-30V. For 3-13V inputs, order the 8004e.

Sealevel SealO Classic software drivers and utilities make installation and operation of the 8004e easy using Microsoft Windows operating systems.

Get a jumpstart 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

### PCI Express 16 Reed Relay Output / 16 Isolated Input Digital Interface (10-30V)

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#### Features

- Compliant with RoHS and WEEE directives
- PCI Express X1 compliant
- 16 optically isolated inputs
- Socketed dip resistor allows user configurable input range up to +24V
- 16 Reed relay outputs (SPST)
- Highly reliable 10VA DIP Reed relays
- Power (+5V and +12V) and ground provided on DB78 board connector
- Includes 72" cable with DB78 Male connector to DB37 Male and DB37 Female connectors (Item# CA165)
- SealO Classic software supports Microsoft Windows operating systems
- Software support for Linux available

#### Specifications

<b>Board Connector</b>	DB-78F
<b>Cable Connector(s)</b>	(1) DB-37M(1) DB-37F
<b>Contact Current</b>	500 mA
<b>Contact Voltage</b>	100 VDC/VAC
<b>Digital I/O</b>	Isolated Inputs, Reed Relay Outputs
<b>Extended Temperature</b>	Call for Options
<b>Humidity Range</b>	10 – 90% Relative Humidity, Non-Condensing
<b>Input Current</b>	3 – 50mA
<b>Input Isolation</b>	300V
<b>Input Range</b>	10-30 VDC
<b>Host Interface(s)</b>	PCI Express
<b>Number of Inputs/Outputs</b>	16 Inputs 16 Outputs
<b>Operating Temperature</b>	0°C to 70°C (32°F to 158°F)
<b>Output Specification</b>	10VA (10W)
<b>PC Bracket</b>	Standard Height
<b># of Ports</b>	16/16
<b>RoHS Compliant</b>	Yes
<b>Storage Temperature</b>	-50°C to 105°C (-58°F to 221°F)