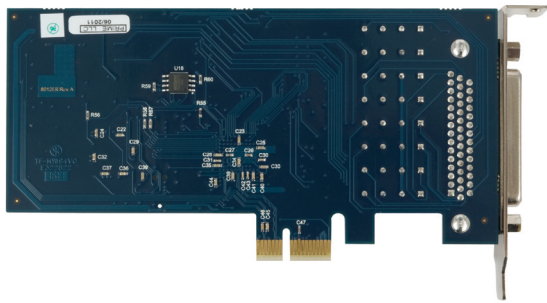# Low Profile PCI Express
8 Reed Relay Output / 8 Isolated Input Digital Interface

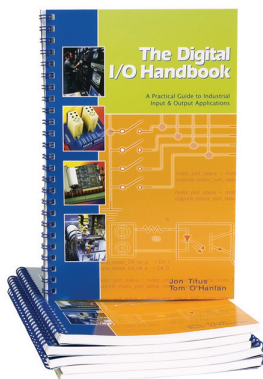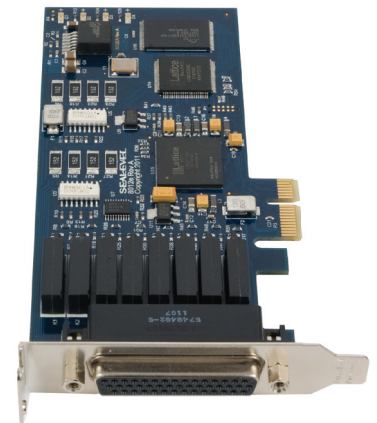## Features

> Eight highly-reliable Reed relay outputs (SPST)
> Eight optically isolated inputs
> Wide, non-polarized input range of 3 – 30 VDC
> PCI Express X1 compliant with low profile PC bracket
> DC Power (+5V and +12V) and three ground pins provided on connector
> SeaIO Classic software supports Microsoft Windows operating systems

The 8012e Low Profile PCI Express digital interface provides eight optically isolated inputs and eight Reed relay outputs (SPST). The isolated inputs are non-polarized and rated for 3-30 VDC. Optical isolation protects the PC and other sensitive equipment from the voltage spikes and ground loop currents that are common to industrial environments. The Reed relays provide high quality, long-life, dry contact switch closures suitable for low-current applications. The relays are normally open and close when energized. The board is PCI Express X1 compliant and is compatible with any PCI Express slot.

The 8012e is for use in Low Profile PCI Express slots only. Order the 8012eS if you have a standard size PCI Express slot. Sealevel's SeaIO Classic software drivers and utilities make installation and operation easy using Microsoft Windows operating systems.

The Digital I/O Handbook
A Practical Guide to Industrial Input and Output Applications

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. Visit www.sealevel.com/store/ref101 for more details and to read featured chapters.

SEALEVEL®

Low Profile PCI Express
8 Reed Relay Output / 8 Isolated Input Digital Interface

Specifications

Host Interface	PCI Express
# of Ports	8/8
Digital I/O	Isolated Inputs, Reed Relay Outputs
RoHS	Yes
PC Bracket	Low Profile
Integration	No
Number of Inputs/Outputs	8 Inputs, 8 Outputs
Input Range	3-30 VDC/VAC, Non-Polarized
Input Current	2-20mA
Input Isolation	300 VAC RMS
Input Resistance	1500 ohms
Output Power	10W Contact Max
Contact Voltage	60 V Switching Max DC / Peak AC Resistive
Contact Current	500 mA Switching Max DC / Peak AC Resistive
Board Connector	DB-44F
Operating Temperature	0 - +70C
Extended Temperature	Call for Options
Storage Temperature	-85 - +100C
Humidity Range	10-90% R.H., Non-Condensing

PCI Express Digital I/O Boards

Sealevel PCI Express digital I/O boards are designed for computers with X1 PCI Express slots and are compatible with any PCI Express slot. Digital I/O boards are currently available with optically isolated inputs and Reed relay outputs. Optically isolated inputs protect the PC from voltage spikes common to industrial environments while Reed relay outputs provide reliable, long-life switch closures suitable for low current applications. Learn more about Sealevel's PCI Express serial boards and other asynchronous serial products at Sealevel.com.

Item# 8012e

Low Profile PCIe 9 Reed Relay Output / 8 Isolated Input Digital Interface (3-30V)

Item# 8012eS

PCIe 8 Reed Relay Output / 8 Isolated Input Digital Interface (3-30V)

Item# 8004e

PCIe 16 Reed relay Output / 16 Isolated Input Digital Interface (3-13V)

Item# 8004He

PCIe 16 Reed relay Output / 16 Isolated Input Digital Interface (10-30V)