



# PCI 48 Channel TTL Digital Interface

**Part:** 8005 | **Model:** PIO-48.PCI

The 8005 digital I/O interface provides 48 channels of buffered drive digital I/O emulating 8255 mode zero, which can be utilized for PC based control and automation of equipment including sensors, switches, security control systems, and other industrial automation systems. 10K pull-up resistors are included. Optional values are available.

The PIO-48.PCI digital I/O interface board contains 6 groups of eight-bit I/O ports, configurable as inputs or outputs to suit the automation task.

Sealevel's SealO Classic software drivers and utilities make installation and operation easy using Microsoft Windows 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

### PCI 48 Channel TTL Digital Interface

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#### Features

- 48 channels of buffered TTL I/O
- Each 8-bit port individually configurable as input or output
- 8255 mode 0 compatible
- 10K pull up resistors on each bit
- +5V power and ground provided on connector
- Two industry standard 50-pin solid-state relay rack connectors
- SealO Classic software supports Microsoft Windows operating systems
- Software support for Linux available

#### Specifications

<b>Board Connector</b>	(2) 50-Pin Headers
<b>Digital I/O</b>	TTL I/O
<b>Extended Temperature</b>	Call for Options
<b>Humidity Range</b>	10 – 90% Relative Humidity, Non-Condensing
<b>Host Interface(s)</b>	PCI
<b>Number of Inputs/Outputs</b>	48 (TTL)
<b>Operating Temperature</b>	0°C to 70°C (32°F to 158°F)
<b>Output Specification</b>	Sink up to 24mA, Source up to 15mA
<b>PC Bracket</b>	Standard Height
<b># of Ports</b>	48
<b>Power Requirement</b>	+5V @ 1A
<b>Storage Temperature</b>	-50°C to 105°C (-58°F to 221°F)