

Low Profile PCI 24 Channel TTL Digital Interface

Part: 8018 **Model:** PIO-24.LPCI



Description

The 8018 Low Profile PCI digital I/O interface provides 24 channels of buffered drive digital I/O emulating 8255 mode zero. The board 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 and optional values are available.

The 8018 contains three groups of eight-bit I/O ports. Each group is individually configurable as input or output to suit the automation task. The board is MD1 Low Profile and Universal Bus (3.3V and 5V) compatible and ships with a ribbon cable terminating in an industry-standard 50-pin IDC connector.

The 8018 is for use in Low Profile PCI slots only. If you have a standard size PCI slot, order the [8018S](#).

Sealevel's SeaIO Classic software drivers and utilities make installation and operation easy using 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.

Category: PCI

Additional information

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

Compliant with RoHS and WEEE directives

24 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

MD1 Low Profile and Universal Bus (3.3V and 5V) compatible

Includes a 40 inch ribbon cable with (2) 26-pin IDC connectors to an industry-standard 50-pin IDC connector (Item# CA315)

SeaIO Classic software supports Microsoft Windows operating systems

Software support for Linux available

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