PCI 24 Channel TTL Digital Interface

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

The 8018S 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 8018S 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 Universal Bus (3.3V and 5V) compatible and ships with a ribbon cable terminating in an industry-standard 50-pin IDC connector.

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

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.

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Features & Specifications
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Features

- 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

Specifications

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	Standard Height
# of Ports	24
Power Requirement	+5V @ 1A
RoHS Compliant	Yes
Storage Temperature	-50°C to 105°C (-58°F to 221°F)