Digital I/O PCI

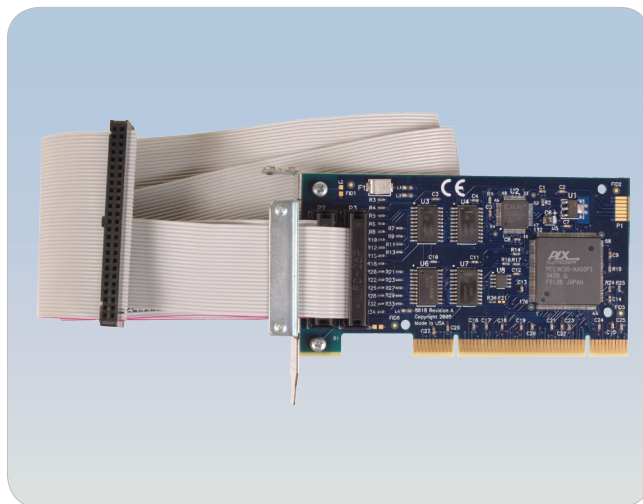## Low Profile PCI 24 Channel TTL Digital Interface

Item # 8018

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. If your application requires RoHS compliance, order the 8018-RoHS.

Unique Features

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

Technical Specifications

Number of Channels	24 (TTL)
Power Requirement	+5V @ 1A
Output Specifications	Sink up to 24mA
	Source up to 15mA
Connector	50-Pin Header
Operating Temperature	0 - +70° C
Storage Temperature	-50° - +105° C
Humidity Range	10 - 90% R.H.

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