



- 16 input plus 16 output channels per board
- Input channels are opto-isolated
- TTL/CMOS/0 to 30V input compatibility
- Output channels have Solid State Relays
- Interrupt generation on any input channel's events and programmable
- Galvanic isolation for output channel
- I/O signals via Front panel connector

**OVERVIEW**

The AT-PXI-DIO-16 is a 16 inputs plus 16-output discrete PXI bus board. This board incorporates features most demanded in first class industrial applications. All input channels feature over voltage protection, opto-isolated and filter. All output channels have solid-state relays, which provide isolation. All cards are 100% compatible at the function level, allowing software development to proceed with low cost Industrial versions.

**HARDWARE**

- PCI Bus interface: 32-bit, 33MHz, 3.3V
- PXI interface as per PXI 2.0 specifications
- Compatible with CPCI backplane
- I/O signals are provided on front panel with 62-pin D-type connector
- Mechanical size: 3U form factor

**PRODUCT SPECIFICATIONS**

**Input**

- 16 Input Channels: Each fitted with Opto-coupler
- Input Voltage Range: TTL/CMOS Compatible/0 to 30V
- I/P Galvanic Isolation: 5000Vrms
- Opto-coupler frequency: 10kHz
- Channel Protection: 1W resistor, 10V zener
- Input Current: 25mA

**Output**

- SSR version outputs:
  - > 16 SSR Outputs (isolated).
  - > Maximum voltage output: 150V
  - > Maximum output Current: 30mA
- Maximum load at peak voltage: 5KΩ

**Software Support**

- Driver and high-level API libraries for Windows XP

**Physical**

- Standard PXI card size (160mm x 100mm)

**Environmental**

- Operating temperature: 0° C to +50° C
- Storage temperature: -20° C to +70° C

**Warranty**

- 1 Year limited warranty

**ORDERING INFORMATION**

**Hardware Selection**

AT-PXI-DIO-Channels

1= 16 Channels Input/16 Channels Output

- Contact sales for support for other Operating Systems
- Contact sales for configuration of front and rear I/O configuration
- Contact sales for environmental options



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