

PCI-7260

8-CH High-Power Relay Outputs & 8-CH Isolated Digital Inputs Card



Features

- Supports a 32-Bit 3.3 V or 5 V PCI bus
- 8-CH high power relay outputs
- 5 A at 250 V_{ac}
- 5 A at 30 V_{dc}
- 8-CH isolated digital inputs
- 8-CH relay status outputs
- 1-CH emergency shutdown input
- Pluggable connector for high current input
- Onboard LED indicators for relay status
- Initial and safety state setting by DIP switches
- Interrupt generated from
 - COS (Change-of-State) of DI
 - CH0/CH1 rising edge
- Built-in watchdog timer
- Supported Operating System
 - Windows 7/8 x64/x86, Linux
- Driver and SDK
 - LabVIEW, MATLAB, C/C++ , Visual Basic, Visual Studio.NET
- Software Utility
 - AD-Logger

Specifications

Relay Output

- Number of channels: 8
- Relay type: Non-latching SPST-NO + SPST-NC (for output indicator)
- Contact rating
 - AC: 250 V @ 5 A
 - DC: 30 V @ 5 A
- Insulation resistance: 1000 MΩ min. (at 500 V_{dc})
- Breakdown voltage: 2000 V_{ac}, 50/60 Hz for 1 minute
- Contact resistance: 30 mΩ max
- Operate time: 10 ms max.
- Release time: 10 ms max.
- LED indicators: onboard LEDs for relay status
- Expected relay life
 - > 10⁵ operations @ 5 A, 250 V_{ac}/30 V_{dc}
- Data transfer: programmed I/O

Isolated Digital Input

- Number of channels: 8
- Input current
 - Rated current: 10 mA
 - Max current: 50 mA, for isolated input.
- Input voltage: Up to 24 V_{dc}
 - Input high voltage: 10-24 V
 - Input low voltage: 0-2 V
- Input resistance: 4.7 KΩ @ 0.5 W
- Input mode: AC-filter/ Non-AC-filter
- Isolation voltage: 2,500 V_{rms} channel-to-system
- Interrupt sources
 - Change-of-state (COS)
 - CH0/CH1 rising edge
- Data transfer: programmed I/O

Isolation +5 V Power Supply

- Output Voltage: +5 V
- Output Current: 170 mA max. (@ 40°C)

Relay Status Output

- Number of channels: 8
- Driving capacity: 15 mA

General Specifications

- I/O connector
 - 18-pin pluggable terminal block connector
 - 20-pin ribbon male x2
- Operating temperature: 0°C to 60°C (32°F to 140°F)
- Storage temperature: -20°C to 70°C (-4°F to 158°F)
- Relative humidity: 35% to 85%, non-condensing
- Power requirements

+5 V
510 mA typical
990 mA typical (when all relays are activated simultaneously)
- Dimensions (not including connectors)
175 mm x 107 mm (6.82" x 4.17")

Certificate

- EMC/EMI: CE, FCC Class A
- Safety: EN61010: 2001

Ordering Information

■ PCI-7260

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■ ACL-10337 (for JP2/JP3)

Two 20-Pin Header to 37-Pin D-Sub PC Back Panel