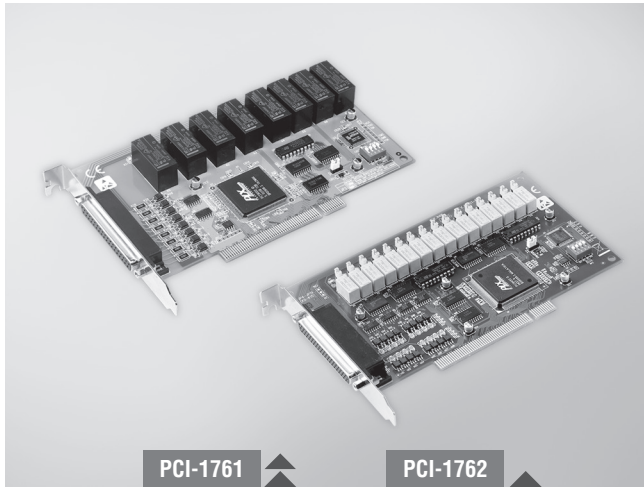


# PCI-1761 PCI-1762

## 8-ch Relay and 8-ch Isolated Digital Input PCI Card

## 16-ch Relay and 16-ch Isolated Digital Input PCI Card



### Features

- PCI-1761: 8 relay output channels and 8 isolated digital input channels
- PCI-1762: 16 relay output channels and 16 isolated digital input channels
- LED indicators to show activated relays
- Output status readback
- Retained relay output values when hot system reset
- High-voltage isolation on input channels (PCI-1761: 3,750 V<sub>DC</sub>; PCI-1762: 2,500 V<sub>DC</sub>)
- High ESD protection (2,000 V<sub>DC</sub>)
- High over-voltage protection (70 V<sub>DC</sub>)
- Wide input range (10 ~ 50 V<sub>DC</sub>)
- Interrupt handling capability
- BoardID™ switch

### Specifications

#### Isolated Digital Input

- **Channels** PCI-1761: 8  
PCI-1762: 16
- **Input Voltage** PCI-1761: Logic 0: 3 V max.  
Logic 1: 5 V min. (50 V max.)  
PCI-1762: Logic 0: 3 V max.  
Logic 1: 10 V min. (50 V max.)
- **Interrupt Capable Ch.** PCI-1761: 8  
PCI-1762: 2
- **Isolation Protection** PCI-1761: 3,750 V<sub>DC</sub>  
PCI-1762: 2,500 V<sub>DC</sub>
- **Overvoltage Protection** 70 V<sub>DC</sub>
- **Opto-Isolator Response** 25 μs
- **Input Resistance** PCI-1761: 5.6 kΩ  
PCI-1762: 4.7 kΩ

#### Relay Output

- **Channels** PCI-1761: 8  
PCI-1762: 16
- **Relay Type** SPDT  
PCI-1761: 4 x Form A and 4 x Form C  
PCI-1762: Form A or Form B, jumper selectable
- **Contact Rating** PCI-1761: 8 A @ 250 V<sub>AC</sub>, 2 A @ 30 V<sub>DC</sub>  
PCI-1762: 0.25 A @ 250 V<sub>AC</sub>, 2 A @ 30 V<sub>DC</sub>
- **Max. Switching Power** PCI-1761: 2,000 VA, 60 W  
PCI-1762: 62.5 VA, 60 W
- **Max. Switching Voltage** PCI-1761: 400 V<sub>AC</sub>, 300 V<sub>DC</sub>  
PCI-1762: 250 V<sub>AC</sub>, 220 V<sub>DC</sub>
- **Max. Switching Current** PCI-1761: 8 A  
PCI-1762: 5 A
- **Min. Switching Load** PCI-1761: 12 V / 100 mA  
PCI-1762: 100 μV
- **Operate/Release Time** PCI-1761: Typ. 7 / 2 ms, max. 15 / 6 ms  
PCI-1762: Typ. 3 / 2 ms, max. 5 / 4 ms
- **Resistance** Contact: PCI-1761: 100 mΩ max.: 1 A @ 12 V<sub>DC</sub>  
PCI-1762: 50 mΩ max.: 10 mA @ 20 mV  
Insulation: PCI-1761: 10 GΩ min.: 500 V<sub>DC</sub> @ 25° C, 50%RH  
PCI-1762: 1 GΩ min.: 500 V<sub>DC</sub>

- **Life Expectancy (Electrical)** PCI-1761: 10<sup>5</sup> cycles min.: 8 A @ 250 V<sub>AC</sub>  
2 x 10<sup>5</sup> cycles min.: 3 A @ 250 V<sub>AC</sub>  
PCI-1762: 5 x 10<sup>7</sup> cycles typ.: 10 mA @ 12 V  
2 x 10<sup>5</sup> cycles typ.: 2000 mA @ 30 V

#### General

- **Bus Type** PCI V2.2
- **I/O Connectors** PCI-1761: 1 x DB37 female connector  
PCI-1762: 1 x DB62 female connector
- **Dimensions (L x H)** 175 x 100 mm (6.9" x 3.9")
- **Power Consumption** PCI-1761: Typical: 5 V @ 220 mA  
Max.: 5 V @ 750 mA  
PCI-1762: Typical: 5 V @ 250 mA  
Max.: 5 V @ 620 mA
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F) (IEC 68-2-1, 2)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Storage Humidity** 5 ~ 95 % RH, non-condensing (IEC 68-2-3)

### Ordering Information

- **PCI-1761** 8-ch Relay/Isolated Digital Input PCI Card
- **PCI-1762** 16-ch Relay/Isolated Digital Input PCI Card

#### Accessories

- **PCL-10137-1** DB37 Cable, 1 m
- **PCL-10137-2** DB37 Cable, 2 m
- **PCL-10137-3** DB37 Cable, 3 m
- **ADAM-3937** DB37 DIN-rail Wiring Board
- **PCL-10162-1** DB62 Cable, 1 m
- **PCL-10162-3** DB62 Cable, 3 m
- **ADAM-3962** DB62 DIN-rail Wiring Board