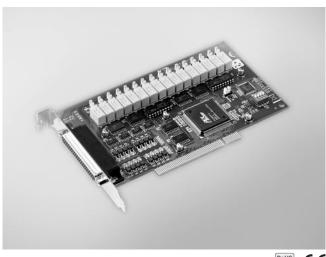
PCI-1762

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



Features

- 16 relay output channels and 16 isolated digital input channels
- LED indicators to show activated relays
- Jumper selectable Form A/Form B-type relay output channel
- Output status readback
- Retain relay output values when hot system reset
- High-voltage isolation on input channels (2,500 V_{DC})
- High ESD protection (2,000 V_{DC})
- High over-voltage protection (70 V_{DC})
- Wide input range (10 ~ 50 V_{DC})
- Interrupt handling capability
- High-density DB62 connector
- BoardID™ switch





Introduction

The PCI-1762 relay actuator and isolated DI card is a PC add-on card for the PCI bus. It provides 16 opto-isolated digital inputs with isolation protection of 2,500 V_{DC} for collecting digital inputs in noisy environments, 16 relay actuators for serving as on/off control devices or small power switches. For easy monitoring, each relay is equipped with one red LED to show its on/off status. The PCI-1762's sixteen optically-isolated digital input channels are ideal for digital input in noisy environments or with floating potentials.

Specifications

Isolated Digital Input

- Channels 16

• Input Voltage Logic 0: 3 V max.

Logic 1: 10 V min. (50 V max.)

Interrupt Capable Ch. 2
Isolation Protection 2,500 V_{DC} Overvoltage Protection 70 V_{DC} Opto-Isolator Response 25 μs
Input Resistance 4.7 KΩ

Relay Output

• Channels 16

Relay Type
SPDT (Form A or Form B, jumper selectable)

Contact Rating
0.5 A @ 125 V_{AC} or 1 A @ 30 V_{DC}

Relay on Time 6 ms max.Relay off Time 4 ms max.

■ **Life Span** 2 x 10⁵ ops. min. (0.5 A @ 125 V_{AC}),

5 x 10⁵ ops. min. (1 A @ 30 V_{DC})

Resistance Contact: 50 MΩ

Insulation: 1,000 M Ω min. (at 500 V_{DC})

General

Bus Type PCI V2.2

I/O Connectors
Dimensions (L x H)
Power Consumption
1 x DB62 female connector
175 x 100 mm (69" x 3.9")
Typical: +5 V @ 250 mA
Max: +5 V @ 620 mA

• Operating Temperature $0 \sim 60^{\circ} \text{ C} (32 \sim 140^{\circ} \text{ F}) (\text{IEC } 68\text{-}2\text{-}1, 2)$

• Storage Temperature $-20 \sim 70^{\circ} \text{ C } (-4 \sim 158^{\circ} \text{ F})$

• Storage Humidity 5 - 95 % non-condensing (IEC 68-2-3)

Ordering Information

• PCI-1762 16-ch Relay/Isolated Digital Input PCI Card

PCL-10162-1 DB62 Cable, 1 m
PCL-10162-3 DB62 Cable, 3 m

ADAM-3962 DB62 DIN-rail Wiring Board

Pin Assignments

ECOM0 43 22 1 IDI1 23 IDI2 22 IDI0	ECOM1 45 24 3 IDI5 24 IDI4 ECOM0 44 23 2 IDI3 23 IDI2	ECOM3	ECOM2 48 ²⁸ 6 IDI11 28 IDI12 27 IDI10
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