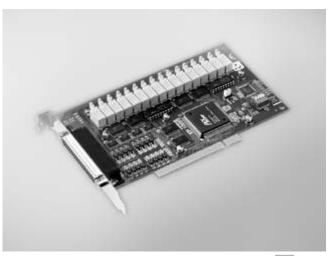
# **PCI-1762**

## 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 relavs
- 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<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
- 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 Vpc 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

Input Voltage Logic 0: 3 V max.

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

 Interrupt Capable Ch. Isolation Protection 2,500 V<sub>DC</sub> ■ Overvoltage Protection 70 V<sub>DC</sub> ■ Opto-Isolator Response 25 µs Input Resistance

#### **Relay Output**

Channels

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

 Contact Rating 0.5 A @ 125 V<sub>AC</sub> or 1 A @ 30 V<sub>DC</sub>

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

Life Span 2 x 10<sup>5</sup> ops. min. (0.5 A @ 125 V<sub>AC</sub>),  $5 \times 10^{5}$  ops. min. (1 A @ 30 V<sub>DC</sub>)

 Resistance Contact:  $50 \text{ m}\Omega$ 

Insulation: 1,000 M $\Omega$  min. (at 500 V<sub>DC</sub>)

#### General

Bus Type PCI V2.2

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

• Operating Temperature  $0 \sim 60^{\circ}$  C (32  $\sim 140^{\circ}$  F) (IEC 68-2-1, 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 44 23 2 IDI3 23 IDI2 23 IDI2 22 IDI0	R R R R R R R R E E E E E E		43 23 1		
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