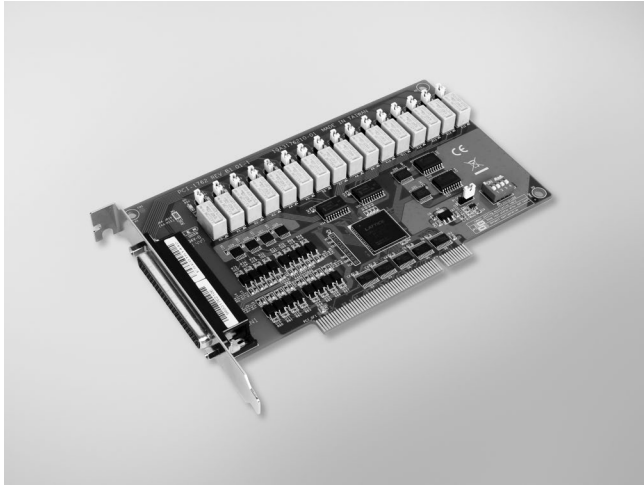# PCI-1762

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

Features

- 16 opto-isolated digital input channels
- 16 relay actuator output channels
- LED indicators to show activated relays
- Jumper selectable dry contact/wet contact input signals
- BoardID switch

RoHS COMPLIANT 2002/95/EC   FCC   CE

Introduction

The PCI-1762 provides 16 opto-isolated digital inputs with isolation protection of 2,500 V_{DC} for collecting digital inputs in noisy environments, 16 relay actuators that can be used as a 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. Each isolated input supports both dry contact and wet contact so that it can easily interface with other devices when no voltage is present in the external circuit.

Specifications

Isolated Digital Input

Channels	16
Input Voltage	Logic 0: 3.0 V max.
	Logic 1: 10 V min. (50 V max.)
Interrupt Capable Ch.	2 (IDI0,IDI8)
Isolation Protection	2,500 V_{DC}
Opto-Isolator Response	100 µs
Input Resistance	5.7 k Ohm 1 W

Relay Output

Channels	16
Relay Type	Form A or Form B (Jumper selectable)
Contact Rating	0.5 A @ 250 V_{AC}, 0.5 A @ 30 V_{DC}
Max. Switching Power	125 VA, 15 W
Max. Switching Voltage	250 V_{AC}, 220 V_{DC}
Operate Time	Typical: 3 ms, Max.: 5 ms
Release Time	Typical: 2 ms, Max.: 4 ms
Resistance	Contact: 50 m Ohm max.
Life Expectancy	2 x 10^5 cycles min. @ 0.5A/ 250V_{AC}

General

I/O Connectors	1 x DB62 female connector
Dimensions (L x H)	175 x 100 mm (6.9" x 3.9")
Power Consumption	Typical: 5 V @ 250 mA
	Max.: 5 V @ 620 mA
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-20 ~ 70°C (-4 ~ 158°F)
Storage Humidity	5 ~ 95 % RH, non-condensing

Ordering Information

PCI-1762	16-ch Relay and 16-ch Isolated Digital Input PCI Card

Accessories

PCL-10162-1E	DB62 Cable, 1 m
PCL-10162-3E	DB62 Cable, 3 m
ADAM-3962	DB62 DIN-rail Wiring Board

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