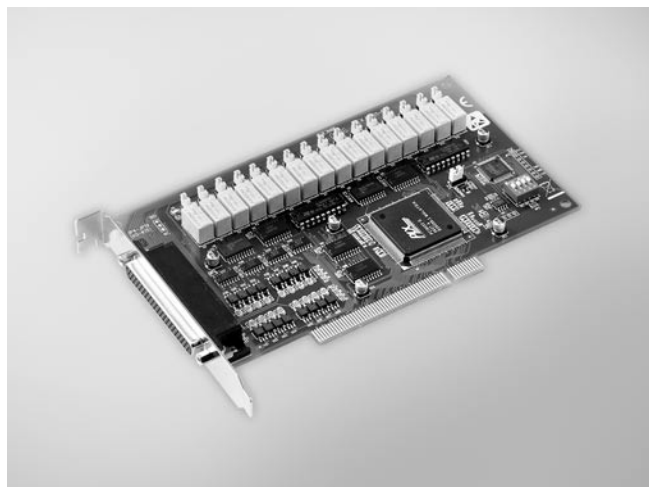


PCI-1762

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 MΩ min. (at 500 V_{DC})

General

- **Bus Type** PCI V2.2
- **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) (IEC 68-2-1, 2)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° 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

		21	R0_OUT	
	42	20	R0_COM	42 R6_OUT
R11_OUT	62	41	R1_OUT	41 R6_COM
R11_COM	61	40	R1_COM	40 R7_OUT
R12_OUT	60	39	R2_OUT	39 R7_COM
R12_COM	59	38	R2_COM	38 R8_OUT
R13_OUT	58	37	R3_OUT	37 R8_COM
R13_COM	57	36	R3_COM	36 R9_OUT
R14_OUT	56	35	R4_OUT	35 R9_COM
R14_COM	55	34	R4_COM	34 R10_OUT
R15_OUT	54	33	R5_OUT	33 R10_COM
R15_COM	53	32	R5_COM	32 NC
NC	52	31	NC	31 NC
NC	51	30	NC	30 NC
ECOM3	50	29	ID115	29 ID114
ECOM3	49	28	ID113	28 ID112
ECOM2	48	27	ID111	27 ID110
ECOM2	47	26	ID19	26 ID18
ECOM1	46	25	ID17	25 ID16
ECOM1	45	24	ID15	24 ID14
ECOM0	44	23	ID13	23 ID12
ECOM0	43	22	ID11	22 ID10