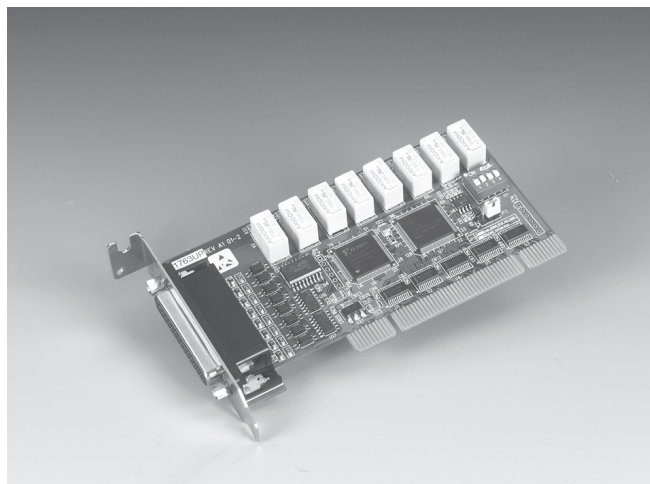


PCI-1763UP

8-ch Relay and 8-ch Isolated DI card



Features

- 8 relay output channels and 8 isolated digital input channels
- LED indicators to show activated relays
- 8 Form C type relay output channels
- Output status read-back
- Retained 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 (5 ~ 30 V_{DC})
- Interrupt handling capability
- Support Universal PCI Bus
- Low Profile PCI card
- BoardID™ switch

Introduction

PCI-1763UP relay actuator and isolated D/I card is an add-on card for the PCI bus. It provides 8 optically-isolated digital inputs with isolation protection of 2500 VDC for collecting digital inputs in noisy environments, and 8 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-1761's eight optically-isolated digital input channels are ideal for digital input in noisy environments or with floating potentials. The low profile PCI form factor and universal PCI connector (V2.2 compliant), meet requirements for size and reduced power consumption.

Specifications

Isolated Digital Input

- Channels 8
- Isolation Protection 2,500 V_{DC}
- Opto-isolator 25 μs
- Response Time
- Over-Voltage Protection 70 V_{DC}
- Input Voltage 5 ~ 30 V_{DC}
- Input Current 3.16 mA @ 10 V_{DC}
17.3 mA @ 50 V_{DC}

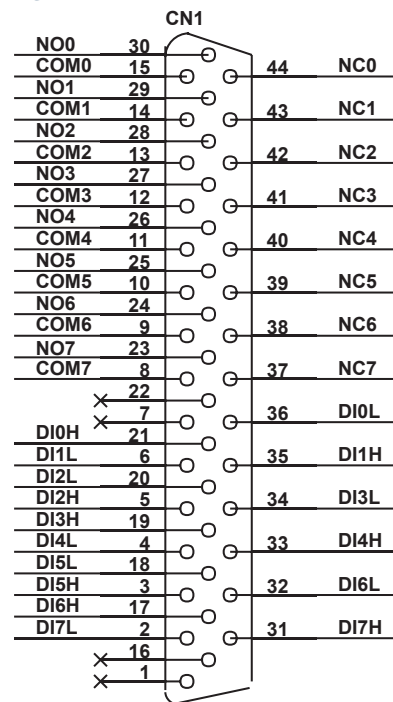
Relay Output

- Channels 8
- Relay Type DPDT (8 Form C)
- Rating (resistive) 0.25 A @ 240 V_{AC} or 1 A @ 30 V_{DC}
- Max. Switching Power 62.5 AV, 60 W
- Insulation Resistance 1,000 MΩ min. (at 500 V_{DC})
- Operate Time 5 ms max.
- Release Time 4 ms max.
- I/O Connector Type DB44 female
- Dimensions 119.91 x 64.41 mm
- Power Consumption +5V @ 107.5 mA (typical)
+5V @ 301.3 mA (max.)

Environment

- Operating Temperature 0 ~ 60° C (32 ~ 140° F) (refer to IEC 68-2-1,2)
- Storage Temperature -20 ~ 70° C (-4 ~ 158° F)
- Relative Humidity 5 ~ 95 % RH non-condensing (refer to IEC 68-2-3)

Pin Assignments



Ordering Information

- PCI-1763UP 8-ch Relay and 8-ch Isolated DI card
- PCL-10144-1 DB 44-pin cable, 1m
- ADAM-3944 DB-44 Wiring Terminal for DIN-rail mounting