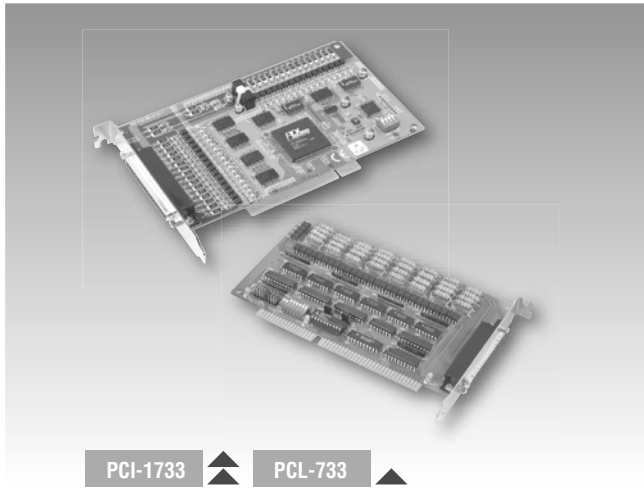


PCI-1733 PCL-733

32-ch Isolated Digital Input Card with PCI Interface

32-ch Isolated Digital Input Card with ISA Interface



PCI-1733 ▲▲

PCL-733 ▲



Features

- 32 isolated, digital input channels
- High-voltage isolation (2,500 V_{DC})
- Interrupt capacity
- D-type connectors for isolated input channels
- Reverse voltage protection for isolated input channels (up to 24 V_{DC})

Introduction

The PCI-1733 and PCL-733 cards offer 32 isolated digital input channels with isolation protection up to 2,500 V_{DC}, which makes them ideal for industrial applications where high-voltage isolation is required.

Specifications

Isolated Digital Input

- **Input Channels** 32 (16-ch/group)
- **Input Voltage** Logic 0: PCI-1733: 2 V max., PCL-733: 1 V max.
Logic 1: 5 V min.
PCI-1733: 30 V max., PCL-733: 24 V max.
- **Interrupt Capable Ch.** 4 for PCI-1733, 2 for PCL-733
- **Isolation Protection** 2,500 V_{DC}
- **Opto-Isolator Response** PCL-733: 100 μs, PCI-1733: 25 μs
- **Input Resistance** PCI-1733: 2.7 kΩ @ 1 W
PCL-733: 1.2 kΩ @ 0.5 W

General

- **Bus Type** PCI-1733: PCI V2.2, PCL-733: ISA
- **I/O Connectors** 1 x 37-pin D-type female
- **Dimensions (L x H)** PCL-733: 185 x 100 mm (7.3" x 3.9")
PCI-1733: 175 x 100 mm (6.9" x 3.9")
- **Power Consumption**
PCL-733: Typical: +5 V @ 320 mA
Max: +5 V @ 500 mA
PCI-1733: Typical: 5V @ 200 mA, 12 V @ 50 mA
Max: 5V @ 350 mA, 12 V @ 75 mA
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Storing Temperature** PCL-733: -20 ~ 70° C (-4 ~ 158° F)
PCI-1733: -25 ~ 85° C (-13 ~ 185° F)
- **Storing Humidity** 5 ~ 95% RH, non-condensing (IEC 68-2-3)

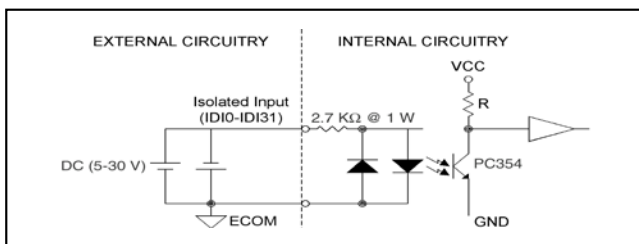
Ordering Information

- **PCI-1733** 32-channel isolated PCI digital input card, manual and driver CD-ROM (cable not included)
- **PCL-733** 32-channel isolated digital input card, manual and driver CD-ROM (cable not included)
- **PCLD-780** Universal screw terminal board
- **PCLD-880** Universal screw terminal board
- **ADAM-3937** DB37 wiring terminal for DIN-rail mounting
- **PCL-10137-1** DB37 cable, 1m
- **PCL-10137-2** DB37 cable, 2m
- **PCL-10137-3** DB37 cable, 3m

Pin Assignment

CN1 of PCI-1733

| | | | |
|-------|----|----|-------|
| ID10 | 1 | 20 | ID11 |
| ID12 | 2 | 21 | ID13 |
| ID14 | 3 | 22 | ID15 |
| ID16 | 4 | 23 | ID17 |
| ECOM0 | 5 | 24 | ID18 |
| ID19 | 6 | 25 | ID110 |
| ID111 | 7 | 26 | ID112 |
| ID113 | 8 | 27 | ID114 |
| ID115 | 9 | 28 | ECOM1 |
| ID116 | 10 | 29 | ID117 |
| ID118 | 11 | 30 | ID119 |
| ID120 | 12 | 31 | ID121 |
| ID122 | 13 | 32 | ID123 |
| ECOM2 | 14 | 33 | ID124 |
| ID125 | 15 | 34 | ID126 |
| ID127 | 16 | 35 | ID128 |
| ID129 | 17 | 36 | ID130 |
| ID131 | 18 | 37 | ECOM3 |
| EGND | 19 | | |



Isolated Input Circuit Diagram