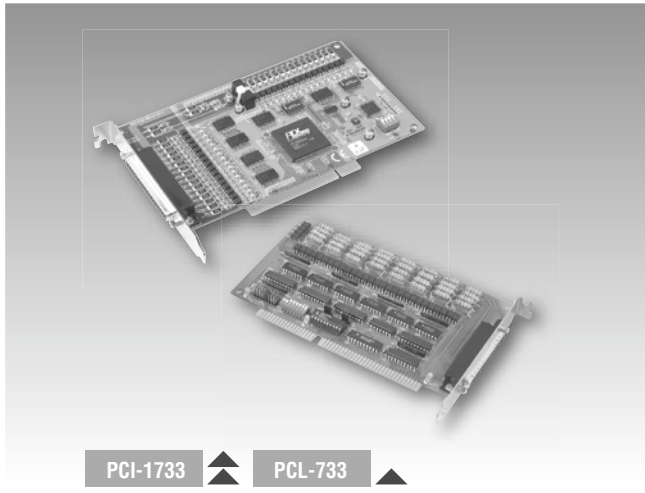


PCI-1733 PCL-733

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)

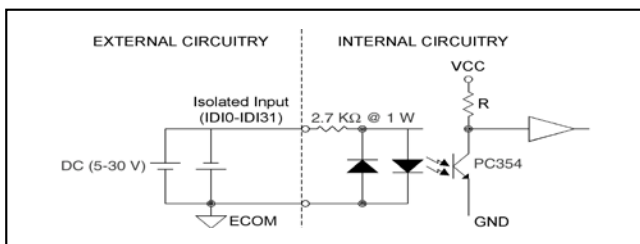
Ordering Information

- **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