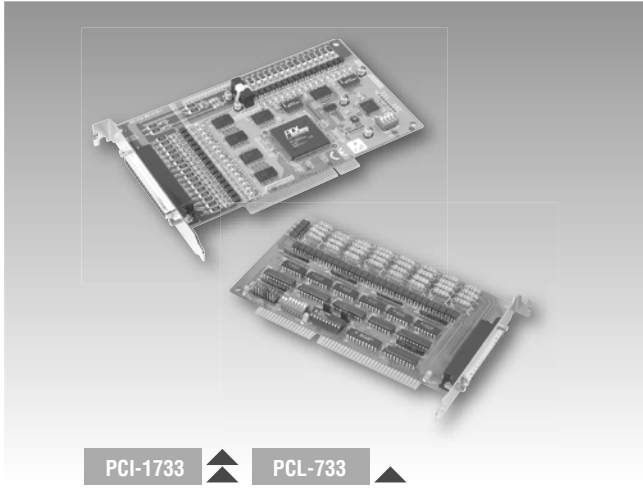


PCI-1733 PCL-733

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)

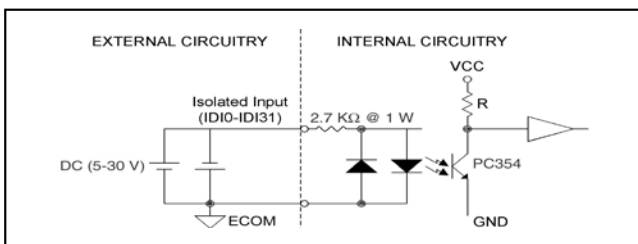
Ordering Information

- **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

IDI0	1	20	IDI1
IDI2	2	21	IDI3
IDI4	3	22	IDI5
IDI6	4	23	IDI7
ECOM0	5	24	IDI8
IDI9	6	25	IDI10
IDI11	7	26	IDI12
IDI13	8	27	IDI14
IDI15	9	28	ECOM1
IDI16	10	29	IDI17
IDI18	11	30	IDI19
IDI20	12	31	IDI21
IDI22	13	32	IDI23
ECOM2	14	33	IDI24
IDI25	15	34	IDI26
IDI27	16	35	IDI28
IDI29	17	36	IDI30
IDI31	18	37	ECOM3
EGND	19		



Isolated Input Circuit Diagram