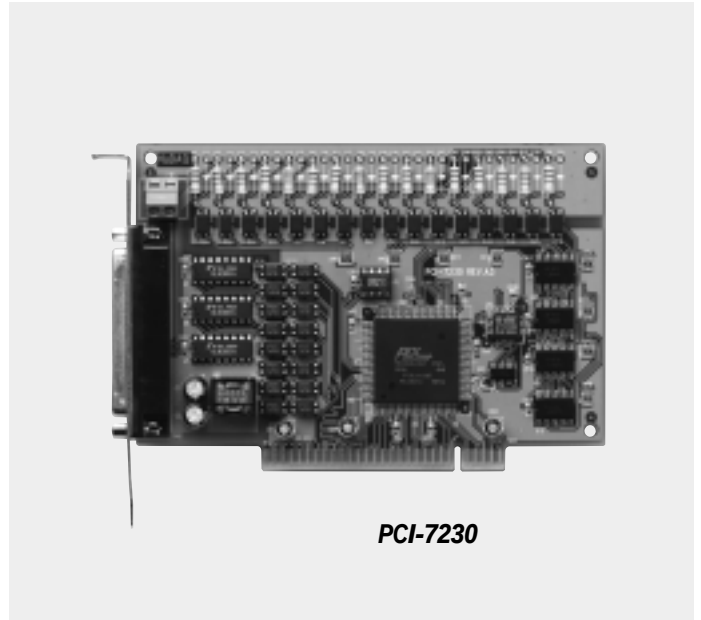


PCI-7230

Isolated 32-CH DI and/or DO Cards with COS

Features

- 32-bit PCI Bus, Plug and Play
- 16 Isolated DI and 16 Isolated DO channels for PCI-7230
- 32 Isolated DI channels for PCI-7233
- 32 Isolated DO channels for PCI-7234
- 32 Isolated high speed DI channels for PCI-7233H
- 2500 Vrms high isolation voltage
- 500mA peak sink current on each isolated output channels
- Up to 24V input voltage for isolated input
- Two external interrupt sources inputs for PCI-7230
- Interrupt source from change-of-state detector for PCI-7233
- 37-pin D-type connector
- Compact size for small IPC chassis
- Full line of software support, software forward compatible with CompactPCI versions
- Change-of-state (COS) detection of digital input



PCI-7230

Specifications

Isolated Input Channel

- Number of channels
 - 16 channels (PCI-7230)
 - 32 channels (PCI-7233)
- Input voltage: up to 24Vdc, higher voltage available for OEM only
 - Logic "L": 0~2.4V
 - Logic "H": 3~24V
- Input resistance: 1.2KΩ @ 0.5W
- Isolation voltage
 - 5000 V rms (PCI-7230/7233)
 - 2500 V rms (PCI-7233H)
- Throughput
 - 10KHz on PCI-7230/7233
 - 500KHz on PCI-7233H

Isolated Output channel

- Number of channels
 - 16 channels for PCI-7230
 - 32 channels for PCI-7234
- Output type: Darlington transistors, open collector up to 35Vdc
- Sink current
 - 500mA max. @ 100% duty, one of transistors device ON
 - 370mA @ duty 10% for all transistors devices ON
 - 140mA @ duty 50% for all transistors devices ON

- Isolation voltage: 5000 Vrms
- Throughput: 10kHz

Interrupt sources

- Ch#0 and Ch#1 of DI channels for PCI-7230
- Change-of-state

General Specifications

- Operating temperature: 0° ~ 60°C
- Storage temperature: -20° ~ 80°C
- Humidity: 5 ~ 95% non-condensing
- Connector: 37-pin D-sub connector (female)
- Bus interface: 32-bit slave PCI bus
- Power requirement
 - PCI-7230: 5VDC @ 150mA (need external DC power)
 - PCI-7234: 5VDC @ 180mA (with internal DC-DC power)
 - PCI-7233: 5VDC @ 300mA (typ.)
 - PCI-7233H: 5VDC @ 550mA (typ.)
- PCB Dimension
 - PCI-7230: 153 mm x 102 mm
 - PCI-7234: 142 mm x 98 mm
 - PCI-7233: 158 mm x 107 mm

Termination Boards

- ACLD-9137 • ACLD-9188
- DIN-37D

Ordering Information

PCI-7230

Isolated 16 DI & 16 DO Card

PCI-7234

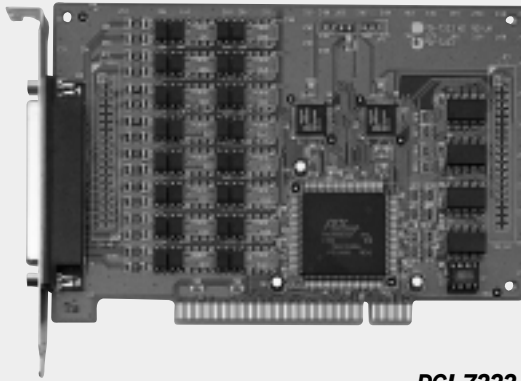
Isolated 32 DO Card

PCI-7233

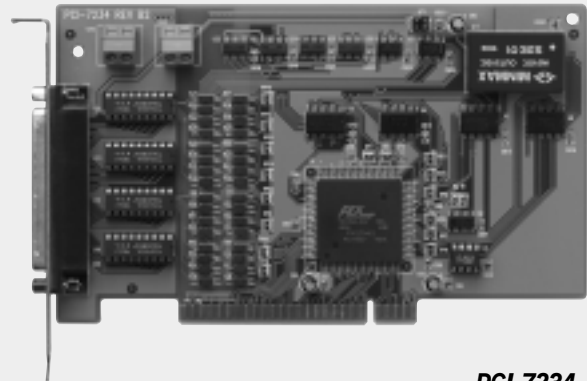
Isolated 32-CH DI Card

PCI-7233H

High speed isolated 32-CH DI Card



PCI-7233



PCI-7234

Pin Assignments for DB-37 Connector of PCI-7230/ 7234/ 7233[H]

IDL_0 (1)	○		(20) IDL_1
IDL_2 (2)	○	○	(21) IDL_3
IDL_4 (3)	○	○	(22) IDL_5
IDL_6 (4)	○	○	(23) IDL_7
IDL_8 (5)	○	○	(24) IDL_9
IDL_10 (6)	○	○	(25) IDL_11
IDL_12 (7)	○	○	(26) IDL_13
IDL_14 (8)	○	○	(27) IDL_15
EIGND (9)	○	○	(28) EOGND
EOGND (10)	○	○	(29) EOGND
IDO_0 (11)	○	○	(30) IDO_1
IDO_2 (12)	○	○	(31) IDO_3
IDO_4 (13)	○	○	(32) IDO_5
IDO_6 (14)	○	○	(33) IDO_7
IDO_8 (15)	○	○	(34) IDO_9
IDO_10 (16)	○	○	(35) IDO_11
IDO_12 (17)	○	○	(36) IDO_13
IDO_14 (18)	○	○	(37) IDO_15
VDD (19)	○		

PCI-7230

IDO0 (1)	○		(20) IDO1
IDO2 (2)	○	○	(21) IDO3
IDO4 (3)	○	○	(22) IDO5
IDO6 (4)	○	○	(23) IDO7
IGND (5)	○	○	(24) IDO8
IDO9 (6)	○	○	(25) IDO10
IDO11 (7)	○	○	(26) IDO12
IDO13 (8)	○	○	(27) IDO14
IDO15 (9)	○	○	(28) IGND
IDO16 (10)	○	○	(29) IDO17
IDO18 (11)	○	○	(30) IDO19
IDO20 (12)	○	○	(31) IDO21
IDO22 (13)	○	○	(32) IDO23
IGND (14)	○	○	(33) IDO24
IDO25 (15)	○	○	(34) IDO26
IDO27 (16)	○	○	(35) IDO28
IDO29 (17)	○	○	(36) IDO30
IDO31 (18)	○	○	(37) IGND
IGND (19)	○		

PCI-7234

IDL_0 (1)	○		(20) IDL_1
IDL_2 (2)	○	○	(21) IDL_3
IDL_4 (3)	○	○	(22) IDL_5
IDL_6 (4)	○	○	(23) IDL_7
IGND (5)	○	○	(24) IDL_8
IDL_9 (6)	○	○	(25) IDL_10
IDL_11 (7)	○	○	(26) IDL_12
IDL_13 (8)	○	○	(27) IDL_14
IDL_15 (9)	○	○	(28) IGND
IDL_16 (10)	○	○	(29) IDL_17
IDL_18 (11)	○	○	(30) IDL_19
IDL_20 (12)	○	○	(31) IDL_21
IDL_22 (13)	○	○	(32) IDL_23
IGND (14)	○	○	(33) IDL_24
IDL_25 (15)	○	○	(34) IDL_26
IDL_27 (16)	○	○	(35) IDL_28
IDL_29 (17)	○	○	(36) IDL_30
IDL_31 (18)	○	○	(37) IGND
IGND (19)	○		

PCI-7233[H]