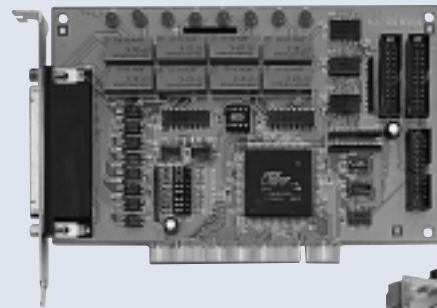


PCI-7250/7251

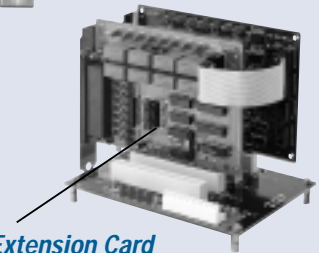
8/16/24/32-CH Relay & Isolated Digital Input Cards

Features

- 32-bit PCI bus, plug and play
- 8 Relay actuator outputs
- 8 Photo isolated digital inputs
- LED's indicators show activated relays
- On-board relay driving circuits
- Jumper Selectable for AC/DC isolated input
- On-board digital input signal conditioning circuits
- Extendable to 32 Relays & 32 DI using three PCI-7251 board



PCI-7250



PCI-7251 Extension Card

Specifications

Relay Output

- Number of relays: 8
- Relay type: Single-pole, double-throw (SPDT)
- Output channels :
 - Relay # 0~3 are Form C (includes normally open and close contacts)
 - Relay # 4~7 are Form A (includes normally open only)
- LED indicates each relay's ON/OFF status for monitoring.
- Contact Type: 120VAC @ 0.5A or 24VDC @ 1A
- Contact resistance: Bifurcated
- Relay ON/OFF time: 8 ms typical
- Coil voltage: +5V @ 33mA for each relay

Isolated Inputs

- Number of channels: 8
- Photo isolators: PC-814
- Input signal type: AC or DC
 - AC: don't care polarity
 - DC: with polarity
- Input voltage range: 0 ~ 24VDC or 24VAC 50 ~ 1,000Hz
- Input Logic Level:
 - Logic Low: 0~2.4V
 - Logic High: 3~24V
- Input filters: RC low pass filter
- Input impedance: 1.2 K Ω
- Isolation voltage: 5,000 V rms channel-to-system power/ground

- Response time:
 - 20 μ sec without AC Filter
 - 2.2 ms with AC Filter

General Specifications

- Operating temperature: 0° ~ 60°C
- Storage temperature: -20° ~ 80°C
- Humidity: 5~90%, non-condensing
- Power requirement:
 - PCI-7250**
 - +5V: 140mA typical
 - PCI-7251**
 - +5V: 125mA typical
- Dimension:
 - PCI-7250: 162 mm x 107 mm
 - PCI-7251: 141 mm x 102 mm

Termination Boards

- ACLD-9137 • ACLD-9188
- DIN-37D

Ordering Information

- PCI-7250**
- 8 Relay & 8 Isolated DI Card
- PCI-7251**
- Extension Card for PCI-7250

Note: PCI-7250 is shipped with software development kit for DOS/Win-95/98/NT/2000, PCIS-LVIEW and PCIS-VEE.

Pin Assignments of DB-37 Connector on PCI-7250/51

NO0 (1)	○	○	(20) NO3
COM0 (2)	○	○	(21) COM3
NC0 (3)	○	○	(22) NC3
NO1 (4)	○	○	(23) NO4
COM1 (5)	○	○	(24) COM4
NC1 (6)	○	○	(25) NO5
NO2 (7)	○	○	(26) COM5
COM2 (8)	○	○	(27) NO6
NC2 (9)	○	○	(28) COM6
NO7 (10)	○	○	(29) N/C
COM7 (11)	○	○	(30) DI0_H
DI0_L (12)	○	○	(31) DI1_H
DI1_L (13)	○	○	(32) DI2_H
DI2_L (14)	○	○	(33) DI3_H
DI3_L (15)	○	○	(34) DI4_H
DI4_L (16)	○	○	(35) DI5_H
DI5_L (17)	○	○	(36) DI6_H
DI6_L (18)	○	○	(37) DI7_H
DI7_L (19)	○	○	

PCI-7251: 8 Relay and 8DI Extension Card

PCI-7251 is an 8 Relay & 8 isolated DI extender board for PCI-7250. All the I/O functions of PCI-7251 are the same as PCI-7250, but PCI-7251 must be connected with PCI-7250 and the bus interface is controlled by PCI-7250. Up to 3 PCI-7251 boards can be connected to one PCI-7250, therefore, extending the PCI-7250's DIO from 8 DIO to 16/24/ 32 DIO.