

PCI-7224 Series



Digital I/O
24/48 or 96 channels
Opto-22 compatible

Opto-22 Compatible DIO Cards 24/48 or 96 Isolated Input- and Isolated Output

Isolated Digital Input (DI)

I/O channels

24 digital I/O (PCI-7224)

48 digital I/O (PCI-7248)

96 digital I/O (PCI-7296)

I/O characteristics

TTL/DTL compatible

Data transfer modes

Interrupt, Programmed I/O

Input signal

Logic high: 2.0V to 5.25V

Logic low: 0.0V to 0.80V

Logic high current: 22.0 μ A

Logic low current: 0.2 mA

Output signal (Port A & B)

Logic high: 2.4V min.

Logic low: 0.5V max.

Logic high current: 2.6 mA

Logic low current: 24.0mA

Output signal (Port C)

Logic high: 2.4V min.

Logic low: 0.4V max.

Logic high current: 15.0 mA

Logic low current: 24.0 mA

Physical / Environmental

Connector

50-pin box header

Operating Temperature

0°C ~ 60°C

Storage Temperature

-20°C ~ 80°C

Humidity

5 ~ 95%, non-condensing

Power Consumption

+5V @ 500 mA (typical)

Dimensions

148mm x 102mm

Termination Boards

TB-24R : Termination Board with
24 Relay Outputs

TB-24P : Termination Board with
24 Opto-isolated Digital Inputs

TB-16P8R : Termination Board with
16-channel isolated DI and 8-channel Relay

TB-24 : Termination Board for DB-37 and
Opto-22 Connectors

Pin Assignment

PnC7	1	○	○	2	+12 V
PnC6	3	○	○	4	+12 V
PnC5	5	○	○	6	GND
PnC4	7	○	○	8	GND
PnC3	9	○	○	10	GND
PnC2	11	○	○	12	GND
PnC1	13	○	○	14	GND
PnC0	15	○	○	16	GND
PnB7	17	○	○	18	GND
PnB6	19	○	○	20	GND
PnB5	21	○	○	22	GND
PnB4	23	○	○	24	GND
PnB3	25	○	○	26	GND
PnB2	27	○	○	28	GND
PnB1	29	○	○	30	GND
PnB0	31	○	○	32	GND
PnA7	33	○	○	34	GND
PnA6	35	○	○	36	GND
PnA5	37	○	○	38	GND
PnA4	39	○	○	40	GND
PnA3	41	○	○	42	GND
PnA3	43	○	○	44	GND
PnA1	45	○	○	46	GND
PnA0	47	○	○	48	GND
+5 V	49	○	○	50	GND

Ordering Information

PCI-7224 24-channel Digital I/O Card

PCI-7248 48-channel Digital I/O Card

PCI-7296 96-channel Digital I/O Card

Note: The above products are shipped with software development kit for DOS/Win-95/98/NT/2000, PCIS-LVIEW and PCIS-VEE)