

PCI-7230/34



Digital Output
500 mA peak Sink Current



Digital Input
up to 24 V input voltage



Isolated
All I/O channels up to 2500 V_{RMS}



Isolated 16-channel DIO Card

16 Isolated Input- and 16 Isolated Output Channels

Isolated Digital Input (DI)

Number of channels
16 channels (PCI-7230 only !)

Input voltage
up to 24 V_{DC}

Logic Low
0~2.4 V

Logic High
3~24 V

Input resistance
1.2 K Ω @ 0.5 W

Isolation voltage
5000 V_{RMS}

Throughput
10 KHz

Isolated Digital Output (DO)

Number of channels
16 channels (PCI-7230)
16 channels (PCI-7234)

Output type
Darlington transistors,
open collector up to 35 V_{DC}

Sink current
500 mA max. @ 100% duty,
one of transistors device ON
370 mA @ duty 10%
for all transistors devices ON
140 mA @ duty 50%
for all transistors devices ON

Isolation voltage
5000 V_{RMS}

Throughput
10 KHz

Physical / Environmental

Connector
one DB-37 female connector

Operating Temperature
0°C ~ 60°C

Storage Temperature
-20°C ~ 80°C

Humidity
5 ~ 95%, non-condensing

Power Consumption
PCI-7230 :
+5 V @ 150 mA typical
(needs external DC power)

PCI-7234 :
+5 V @ 150 mA typical
(with internal DC power)

Dimensions
153 mm x 102 mm (PCI-7230)
142 mm x 98 mm (PCI-7234)

Termination Boards

ACLD-9137 : Screw Termination Board
with male DB-37 Connector

ACLD-9188 : Industrial Termination Board

Ordering Information

PCI-7230 Isolated 16 DI & 16 DO Card

PCI-7234 Isolated 32 DI & 16 DO Card

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

Pin Assignment

IDIO	1	20	IDI1
IDI2	2	21	IDI3
IDI4	3	22	IDI5
IDI6	4	23	IDI7
IDI8	5	24	IDI9
IDI10	6	25	IDI11
IDI12	7	26	IDI13
IDI14	8	27	IDI15
EIGND	9	28	EOGND
EOGND	10	29	EOGND
IDO0	11	30	IDO1
IDO2	12	31	IDO3
IDO4	13	32	IDO5
IDO6	14	33	IDO7
IDO8	15	34	IDO9
IDO10	16	35	IDO11
IDO12	17	36	IDO13
IDO14	18	37	IDO15
VDD	19		