

SPECIFICATIONS

CPCI-DIO24H

High-Output Digital Input/Output



**MEASUREMENT
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Power Consumption

+5V Operating	625 mA typical, 960 mA max
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Digital Input / Output

Digital type	8255 mode 0 emulation
Number of I/O	24
Configuration	2 banks of 8 and 2 banks of 4 or 3 banks of 8
Input low voltage	0.8V max
Input high voltage	2.0V min
Output low voltage (IOL = 64 mA)	0.5V max
Output high voltage (IOH = -12 mA)	2.4V min
Absolute maximum input voltage	-0.5V , +7V
Power-up / reset state	Input mode (high impedance)
Pull-Up/Pull-Down Resistors	Dual layout allows pull-up/pull-down

Interrupts

Interrupts	INTA# - mapped to IRQn via PCI BIOS at boot-time
Interrupt enable	External (IRQ_ENABLE) active low, disabled by default through internal resistor to TTL high and programmable through PLX9052
Interrupt sources	External source (IRQ_INPUT) Polarity programmable through PLX9052 Edge or level triggered programmable through PLX9052 Assertion Time: 40 ns min

Environmental

Operating temperature range	0 to 50°C
Storage temperature range	-20 to 70°C
Humidity	0 to 90% non-condensing

Mechanical

Card dimensions	3U cPCI: 160.0mm L x 100.0mm W x 20.3mm H
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Connector Pin Out

<i>Pin</i>	<i>Signal Name</i>	<i>Pin</i>	<i>Signal Name</i>
1	IRQ_INPUT	20	+5V
2	IRQ_ENABLE	21	GND
3	Port B7	22	Port C7
4	Port B6	23	Port C6
5	Port B5	24	Port C5
6	Port B4	25	Port C4
7	Port B3	26	Port C3
8	Port B2	27	Port C2
9	Port B1	28	Port C1
10	Port B0	29	Port C0
11	GND	30	Port A7
12	N/C	31	Port A6
13	GND	32	Port A5
14	-12V	33	Port A4
15	GND	34	Port A3
16	+12V	35	Port A2
17	GND	36	Port A1
18	+5V	37	Port A0
19	GND		

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