

# PCI-DIO24H

## Specifications



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# Specifications

Typical for 25 °C unless otherwise specified.

Specifications in *italic text* are guaranteed by design.

## Power consumption

Table 1. Power consumption specifications

+5V operating	625 mA typical, 960 mA max
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## Digital input / output

Table 2. Digital input / output specifications

Digital type	8255 mode 0 emulation
Output:	74S244
Input:	74LS373
Configuration	2 banks of 8, 2 banks of 4, programmable by bank as input or output
Number of channels	24 I/O
Output high	2.4 volts min @ -15 mA
Output low	0.5 volts max @ 64 mA
Input high	2.0 volts min, 7 volts absolute max
Input low	0.8 volts max, -0.5 volts absolute min
Power-up / reset state	Input mode (high impedance)
Interrupts	INTA# - mapped to IRQn via PCI BIOS at boot-time
Interrupt enable	External (IR ENABLE, active low, disabled by default through internal resistor to TTL high) and programmable through PCI9052: 0 = disabled 1 = enabled (default)
Interrupt sources	External source (IR INPUT), polarity programmable through PCI9052; 1 = active high 0 = active low (default)

## Environmental

Table 3. Environmental specifications

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

## Main connector and pin out

Table 4. Board connector, cables, and accessory equipment

Connector type	37-pin D-type
Compatible cables	C37FF-x unshielded ribbon cable. x = length in feet. C37FFS-x shielded round cable. x = length in feet.
Compatible accessory products (with the C37FF-x or C37FFS-x cable)	SCB-37 CIO-MINI37 CIO-MINI37-VERT CIO-ERB08 CIO-SERB08 CIO-ERB24 CIO-SPADE50 SSR-RACK08 SSR-RACK24

Table 5. Connector pin out

Pin	Signal Name	Pin	Signal Name
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	OPEN	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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