

PCI-6208 Series

	Analog Output Voltage : 8- or 16-channel 16-bit
	Analog Output Current : 8-channel 16-bit
	Digital I/O 4-bit TTL



PCI-6216V



PCI-6208A

Voltage or Current Output Card 8- or 16-channel, 16-bit precision Analog Output

Analog Output (D/A)

Voltage Output

Channels

8 (PCI-6208V and PCI-6208A)
16 (PCI-6216V)

Resolution

16-bit

Output Ranges

Bipolar: ± 10 V

Conversion Type

monolithic multiplying

Converter

B.B. PCM56U or equivalent

Settling Time

2 μ seconds

Voltage Output Drive

± 5 mA max.

Data Transfer

program control

Monotonicity

15-bit, typical

Gain Error

$\pm 2.0\%$ (without trimming)

Output Initial Status

0 V (after RESET or POWER-ON)

Digital I/O (DIO)

Channel

4 TTL compatible inputs
4 TTL compatible outputs

Analog Output (D/A)

Current Output (PCI-6208A only !)

Channels

8

Output Ranges

0~20 mA, 4~20 mA, 5~25 mA

Converter

B.B. PCM56U or equivalent for D/A
B.B. XTR110 for V/I converter

Settling Time

17 μ second

Slew Rate

1.3 mA/ μ s

Non-linearity

$\pm 0.01\%$ of span

Span Error vs. Vcc

0.003% of span/V

Output Resistance

10 Ω max.

Voltage Output Drive

± 5 mA max.

Data Transfer

programmed control

Output Initial Status

0 mA (after RESET or POWER-ON)

Physical / Environmental

Connector

37-pin D-type connector

Operating Temperature

0 ~ 50°C

Storage Temperature

-20 ~ 80°C

Humidity

5~95%, non-condensing

Power Consumption

PCI-6208V

+5 V @ 580 mA typical

+12 V @ 90 mA typical

PCI-6216V

+5 V @ 1.2 A typical

+12 V @ 300 mA typical

PCI-6208A

+5 V @ 600 mA typical

+12 V @ 380 mA typical

Dimensions

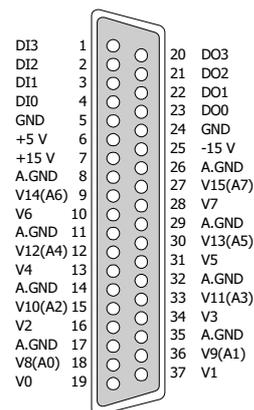
172 (L) x 105 (H) mm

Termination Boards

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

ACLD-9188 : Industrial Termination Board

Pin Assignment



Ordering Information

PCI-6208V

8-channel, 16-bit Voltage Output Card

PCI-6216V

16-channel, 16-bit Voltage Output Card

PCI-6208A

8-channel, 16-bit Voltage / Current Card

