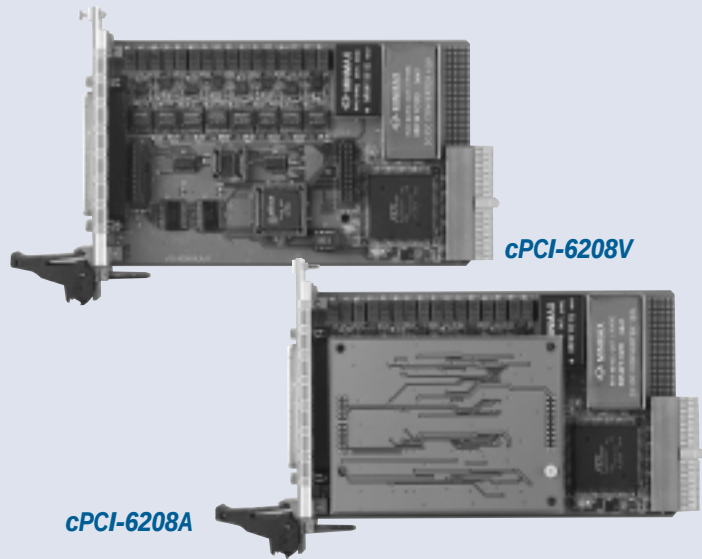


cPCI-6208 Series

8-CH, 16-bit
Analog Output Modules

Features

- 32-bit PCI-Bus, Plug and Play
- 8-CH voltage output for cPCI-6208V
- 8-CH voltage and current output for cPCI-6208A
- 16-bit DA resolution
- Bipolar voltage output range $\pm 10V$
- Fast 2 msec settling time from $-10V \sim +10V$ for voltage output
- Current output range on cPCI-6208A: 0~20mA, 4~20mA, 5~25mA programmable
- 4-CH DI, 4-CH DO
- Compact, half-sized PCB



Specifications

Voltage Output

- Number of Channels:
 - 8 channels (cPCI-6208V)
 - 8 channels (cPCI-6208A)
- Resolution: 16-bit
- Monotonicity: 15-bit typical
- Output ranges: Bipolar $\pm 10V$
- Conversion: PCM56 U or equivalent monolithic multiplying,
- Settling time: 2 μ sec ($-10 \sim +10V$)
- Output driving capability: $\pm 5mA$ max.
- Data transfer: programmed I/O
- Gain error: $\pm 2.0\%$ (without trimming)
- Output initial status: 0V (after RESET or POWER-ON)

Current Output (cPCI-6208A)

- Number of channels: 8 channels
- Output ranges: programmable 0~20mA, 4~20mA, 5~25mA
- Voltage to current converter: XTR110
- Settling time: 17 μ second
- Slew rate: 1.3 mA/ μ s
- Non-linearity: $\pm 0.01\%$ of span
- Span error: initial 0.3% of span
- Output resistance: 10 Ω max.
- Output initial status: 0mA (after RESET or POWER-ON)

Digital Input / Output

- Number of channels: 4DI & 4DO
- Signal characteristic: TTL

General Specifications

- Connectors: 37-pin D-sub
- Operating temperature: $0^{\circ} \sim 60^{\circ}C$
- Storage temperature: $-20^{\circ} \sim ^{\circ}C$
- Humidity: 5 ~ 95%, non-condensing
- Power consumption:
 - cPCI-6208V**
 - +5V@530 mA typical
 - +12V@90 mA typical
 - cPCI-6208A**
 - +5V@600 mA typical
 - +12V@380 mA typical (with current output)
- Dimension: 3U CompactPCI Standard form factor

Termination Boards

- DIN-37D

Ordering Information

cPCI-6208V

8-CH Voltage Output Module

cPCI-6208A

8-CH Voltage and Current Output Module

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

Pin Assignments of the DB-37 connector

DI3 (1)	○	(20) DO3
DI2 (2)	○	(21) DO2
DI1 (3)	○	(22) DO1
DI0 (4)	○	(23) DO0
GND (5)	○	(24) GND
+5V (6)	○	(25) -15V
+15V (7)	○	(26) A.GND
A.GND (8)	○	(27) V15(A7)
V14(A6) (9)	○	(28) V7
V6 (10)	○	(29) A.GND
A.GND (11)	○	(30) V13(A5)
V12(A4) (12)	○	(31) V5
V4 (13)	○	(32) A.GND
A.GND (14)	○	(33) V11(A3)
V10(A2) (15)	○	(34) V3
V2 (16)	○	(35) A.GND
A.GND (17)	○	(36) V9(A1)
V8(A0) (18)	○	(37) V1
V0 (19)	○	