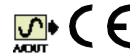


DA8P-12 12-Bit Analog Output PCMCIA Card







- 8 Independent Analog Outputs
- ✓ 12-Bit Resolution
- Simultaneous Output of Multiple Channels
- ✓ 8 Digital Inputs/Outputs
- On-Board Event Timer
- External Interrupt Inputs

The DA8P-12 is an eight channel analog output/digital I/O card for systems supporting Type II PCMCIA cards. Available in two versions, the DA8P-12B offers eight bipolar analog outputs with a range of ±5 volts while the DA8P-12U provides eight unipolar analog outputs with a range of 0 to +5 volts.

The DA8P-12 can update multiple outputs simultaneously under software control or with an external event. In addition to analog output, the DA8P-12 provides the user with 8 channels of TTL compatible digital I/O. Each digital channel is independently programmable as an input or output channel allowing the user to both control and monitor digital information.

An on-board event timer allows the DA8P-12 to interrupt the CPU at software programmable time intervals. This allows the DA8P-12 to be used as a simple arbitrary waveform synthesizer.

External interrupt inputs are also provided to interrupt the CPU for such events as an external trigger. The DA8P-12 includes software drivers to simplify the development of custom DOS applications in C, QuickBasic, and Turbo Pascal. A Dynamic Link Library (DLL) is provided for Windows software development. An optional Visual Basic Controls (VBX) is also available. Example programs are provided for all supported languages.

A client software driver is provided to configure the DA8P-12. The



DA8P-12 client software driver is compatible with PCMCIA Card Services Specification 2.1. A separate enabler program is provided for the configuration of the DA8P-12 for those who wish to run the card without card and socket services installed. For turn-key operation, the DA8P-12 is also compatible with LABTECH NOTEBOOK and Snap-Master.

Specifications
Resolution: 12-bit

Output Voltage: ±5V (DA8P-12B,

0-5V (DA8P-12U)

Output Current: 1 mA/channel Relative Accuracy: ±1 LSB

maximum

Offset Error: ±5 LSB maximum (DA8P-12U) ±6 LSB maximum

(DA8P-12B)

SETTLING TIME TO LSB Positive Full-Scale Change:

10 µs max (3µs typ)

Negative Full-Scale Change: 10 µs max (5µs typ)

POWER REQUIREMENTS

No Load: 12 mA @ +5V maximum

Full Rate Load: 140 mA @

+5V maximum

Power-Down Mode: 20 mA @

+5V maximum

To Order (Specify Model Number)			
Model No.	Price	Description	
DA8P-12B	\$495	8 Channel PCMCIA analog output card with bipolar outputs	
DA8P-12U	495	8 Channel PCMCIA analog output card with unipolar outputs	

Comes with complete operator's manual, driver software and PCMCIA configuration software. **Ordering Example:** DA8P-12B analog output board with UIO-37 terminal panel and CP-IO37 cable, \$495 + \$110 + \$40 = \$645.

Accessories

Model No.	Price	Description
UIO-37	\$110	Terminal strip, Requires CP-IO37 cable
CP-IO37	40	Cable, 24 inches
VISUALDAQ	195	Visual Basic Controls

