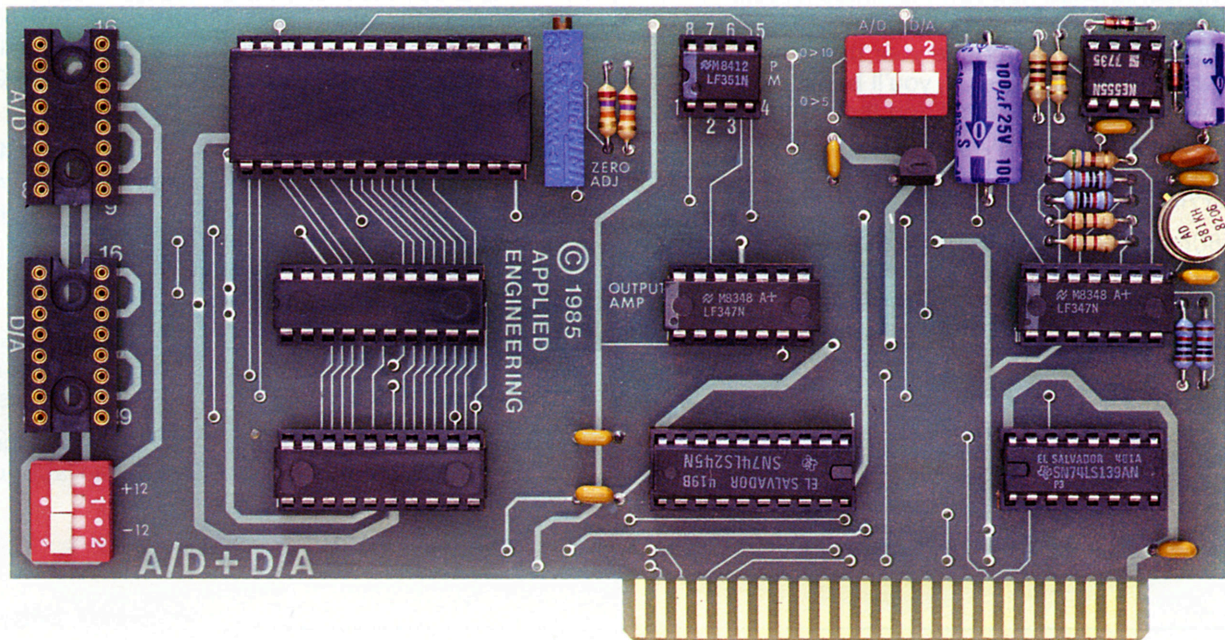


## A/D + D/A

COMPATIBLE WITH IIe and II+



Commercial, industrial, and scientific data acquisition and control functions are now practical with Applied Engineering's A/D + D/A card.

### A/D + D/A Features:

- Single PC card
- 8 channels A/D
- 8 channels D/A
- Superfast conversion time
- Very easy programming
- Many analog ranges
- Manual contains sample applications
- Works in any slot of a IIe or II+ including slot 3 of a IIe

### A/D SPECIFICATIONS

- 8 channels
- 0.3% accuracy
- On board memory
- Fast conversion (.078 mS per channel)
- A/D process totally transparent to Apple (looks like memory)
- Eliminates the need to wait for A/D conversion (just peek at data)
- No missed codes over full temperature range
- 50K ohms analog input resistance
- User programmable input ranges are 0 to 10 volts, 0 to 5, -5 to +5, -2.5 to +2.5, -5 to 0, and -10 to 0.

The A/D section is a 8 bit, 8 channel memory buffered, data-acquisition system on a single Apple plug-in card. It consists of a high speed 8 bit successive approximation A/D converter, an 8 channel multiplexer, 8X8 dual-port RAM, and all necessary control logic. The A/D process takes place on a

continuous, channel sequencing basis. Data is automatically transferred to its proper location in the on board RAM. No A/D converter could be easier to use.

### D/A SPECIFICATIONS

- 8 channels
- 0.3% accuracy
- On board memory
- On board output buffer amps can drive 5 MA of output current
- No missing codes over full temperature range
- D/A process is totally transparent to the Apple (Just poke the data)
- Fast conversion (.003 mS per channel)
- User programmable output ranges are 0 to 5 volts and 0 to 10 volts.

The D/A section contains 8, 8 bit voltage output, digital to analog converters, with output buffer amplifiers and all interface logic on a single card. No trims are required to achieve the full specified performance. Separate on-card latches are provided for each of the eight D/A converters. No D/A converter could be easier to use. The on board amplifiers are laser-trimmed during manufacture, thereby eliminating any requirement for offset nulling.

A few applications may include the measurement and control of temperature, humidity, wind speed, wind direction, light intensity, pressure, RPM, soil moisture, process control, automatic test equipment and many more.

**\$199**



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