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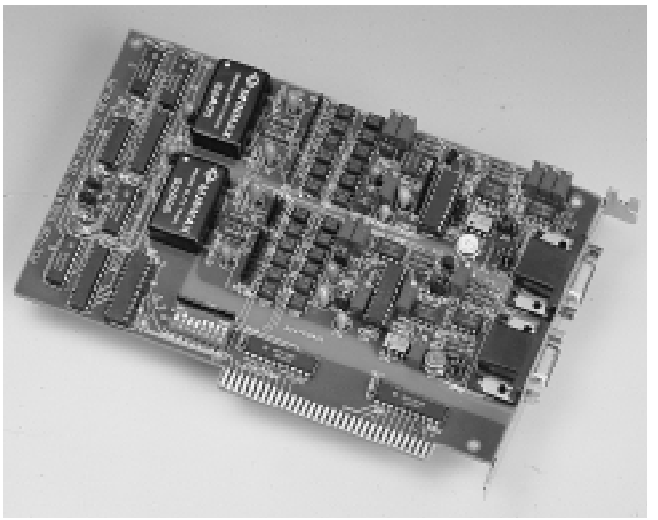
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Find the *Advantech PCL-728* at our website: ***Click HERE***

PCL-728

Isolated 2-Channel D/A Output Card



Features

- Two independent, double-buffered 12-bit D/A output channels
- Multiple output ranges:
  - 0 ~ +5 V (unipolar)
  - 0 ~ +10 V (unipolar)
  - ±5 V (bipolar)
  - ±10 V (bipolar)
  - 4 ~ 20 mA (sink)
  - 0 ~ 20 mA (sink)
- Over 500 V_{DC} isolation between input and output
- Two DB-9 connectors for easy wiring

Introduction

The PCL-728 provides two double-buffered 12-bit digital-to-analog outputs. Optical isolators give 500 volts of isolation (channel-to-channel and input-to-output) to protect the card and your PC from dangerous voltages on the output lines. You can output in several ranges: 0 to +5 V, 0 to +10 V, ±5 V, ±10 V, 0 to 20 mA (sink) or 4 to 20 mA (sink).

The PCL-728's register format and software driver are fully compatible with the PCL-726 6-channel D/A card. This makes it easy for you to replace the PCL-726 with the PCL-728 to gain immediate isolation protection.

Applications

- Process control
- Programmable voltage source
- Programmable current sink
- Servo control

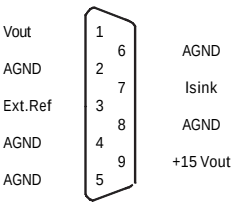
Specifications

- **Channels**: 2 isolated D/A output channels
- **Resolution**: 12 bits, double buffered
- **Output range**:
  Unipolar: 0 ~ +5 V, 0 ~ +10 V
  Bipolar: ±5 V, ±10 V
  Current loop (sink): 0~ 20 mA, 4 ~ 20 mA
- **Throughput**: 17 kHz
- **Settling time**: ≤ 60 msec.
- **Accuracy**: ±0.012% full scale range
- **Isolation voltage**:
  > 500 V_{DC} channel-to-channel and input-to-output
- **Temperature drift**: 5 PPM/°C (0 ~ 50° C)
- **Reference voltage**:
  Internal: -5 V or -10 V
  External: ±10 V (max.), AC or DC
- **Output current**: ±5 mA max.
- **Current loop excitation voltage**: 8 ~ 36 V

General

- **Power consumption**: +5 V @ 800 mA max.
- **Operating temperature**: 0 ~ 50° C (32 ~ 122° F)
- **Storage temperature**: 0 ~ 65° C (32 ~ 149° F)
- **Operating humidity:** 5 ~ 95% RH non-condensing (refer to IEC 68-2-3)
- **Connectors**: Two DB-9 connectors
- **Dimensions**: 184 mm (L) x 119 mm (H) (7.25" x 4.7")

Pin Assignment



Ordering Information

- **PCL-728**: Isolated 2-Channel D/A output card, user's manual and utility disk.
- **PCLS-OCX**: ActiveX Control for data acquisition and control

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