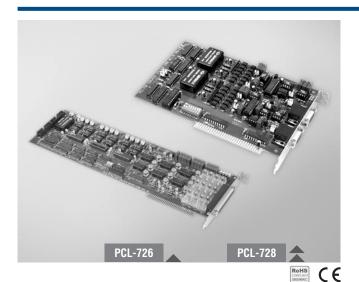
PCL-726 PCL-728

12-bit, 6-ch Analog Output ISA Card with 32-ch Digital I/O

12-bit, 2-ch Isolated Analog Output ISA Card



Features

- Independent analog output channels
- 12-bit resolution double-buffered D/A converter
- Multiple voltage ranges: ±10 V, ±5 V, 0 ~ +5 V, 0 ~ +10 V and 4 ~ 20 mA current loop (sink)
- 16 digital input and 16 digital output channels (PCL-726)
- Two DB9 connectors for easy wiring (PCL-728)

Introduction

PCL-726, and PCL-728 are analog output cards with 12-bit analog output channels. You can individually configure each channel to any of the following ranges: 0 to +5 V, 0 to +10 V, ±5 V, ±10 V and 4 to 20 mA current loop (sink). Designed for use in industrial environments, these cards are ideal, economical solutions for applications that require multiple analog outputs or current loops.

Specifications

Analog Output

Channels PCL-726: 6
PCL-728: 2 isolated
 Resolution 12 bits, double buffered
 Output Rate Static update

• Reference Voltage Internal: -5 V (±0.05 V)

 $-10 \text{ V } (\pm 0.05 \text{ V})$ External: DC or AC, $\pm 10 \text{ V max}$.

• Output Range (Software programmable)

	Bipolar (V)	±5
Internal Reference	Unipolar (V)	0 ~ 5, 0 ~10
	Current Loop (mA)	4 ~ 20
External Reference	Bipolar (V)	±10

Isolation Protection 500 V_{DC} (PCL-728)

Driving Capability
 Output Impedance
 Operation Modes
 Accuracy
 5 mA
 0.1 Ω
 Software polling
 0.012%

Excitation Voltage 8 ~ 36 V for 4 ~ 20 mA current loop

Digital Input (PCL-726)

 Channels
 Compatibility
 Input Voltage
 Logic 0: 0.8 V max. Logic 1: 2.0 V min.

Digital Output (PCL-726)

Channels 16Compatibility 5 V/TTL

Output Voltage
 Output Capability
 Logic 0: 0.5 V, Logic 1: 2.4 V
 Sink: 0.5 V @ 0.4 mA max.
 Source: 2.7 V @ 50 mA max.

General

Bus Type

ISA

I/O Connectors
 PCL-726: 4 x 20-pin box header PCL-728: 2 x DB9 female connector
 Dimensions (L x H)
 PCL-726: 340 x 100 mm (13.4" x 3.9") PCL-728: 184 x 119 mm (7.25" x 4.7")

Power Consumption

PCI-726: +5 V @ 500 mA typical, 1 A max. +12 V @ 80 mA typical, 110 mA max. -12 V @ 60 mA typical, 90 mA max.

PCL-728: +5V @ 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)

Ordering Information

PCL-726
 PCL-728
 PCL-10120-1
 12-bit, 2-ch Isolated AO ISA Card
 20-pin Flat Cable, 1 m

PCL-10120-2
 PCLD-780
 PCLD-780
 PCLD-780
 PCLD-780

PCLD-780 Screw Terminal Board w/ Two 20-pin Flat Cables
 PCLD-782 16-ch Isolated DI Board w/ 1m 20-pin Flat Cable
 PCLD-785 16-ch Relay Board w/ One 1m 20-pin Flat Cable
 PCLD-880 Wiring Board w/ Two 20-pin Flat Cables & Adapter

■ **ADAM-3909** DB9 DIN-rail Wiring Board

ADAM-3920
 20-pin DIN-rail Flat Cable Wiring Board