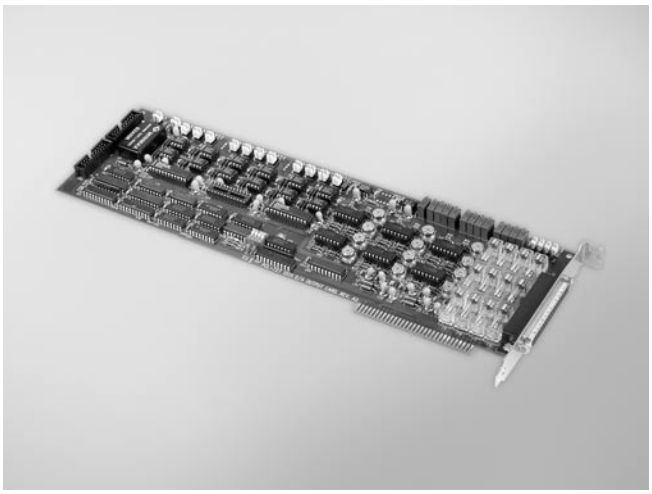
PCL-727

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



Features

- 12 independent analog output channels
- Fuse on each channel
- BoardID™ switch
- Synchronized output function

Introduction

The PCL-727 provides 12 analog output channels on a full-size add-on card. In additional to its analog output, the PCL-727 provides 16 digital output channels and 16 digital output channels. It is an ideal and economical solution for industrial applications that requires multiple analog and/or current output channels.

Specifications

Analog Output

- **Channels** 12
- **Resolution** 12 bits
- **Output Rate** Static output
- **Output Range** (Software programmable)

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

- **Driving Capability** 15 mA
- **Operation Modes** Software polling, synchronized output
- **Current Loop Excitation Voltage** 8 ~ 36 V

Digital Input

- **Channels** 16
- **Compatibility** 5 V/TTL
- **Input Voltage** Logic 0: 0.8 V max.
Logic 1: 2.0 V min.
- **Input loading** 0.5 V @ 0.4 mA max. (low)
2.7 V @ 50 µA max (high)

Digital Output

- **Channels** 16
- **Compatibility** 5 V/TTL
- **Output Voltage** Logic 0: 0.5 V, Logic 1: 2.4 V
- **Output Capability** Sink: 0.8 mA @ 0.5 V
Source: 0.4 mA @ 2.4 V

General

- **Bus Type** ISA
- **I/O Connectors** 1 x DB37 female connector
2 x 20-pin box header
- **Power Consumption** +5 V @ 500 mA typical, 1A max.
+12 V @50 mA typical, 110 mA max.
-12 V @ 14 mA typical, 90 mA max.
- **Dimensions (L x H)** 340 x 100 mm (13.4" x 3.9")
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** 0 ~ 65° C (32 ~ 149° F)
- **Storage Humidity** 5 ~ 95% RH, non-condensing

Ordering Information

- **PCL-727** 12-bit, 12-ch AO ISA Card w/ Digital I/O
- **PCL-10120-1** 20-pin Flat Cable, 1 m
- **PCL-10120-2** 20-pin Flat Cable, 2 m
- **PCL-10137-1** DB37 Cable, 1 m
- **PCL-10137-2** DB37 Cable, 2 m
- **PCL-10137-3** DB37 Cable, 3 m
- **ADAM-3937** DB37 DIN-rail Wiring Board
- **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