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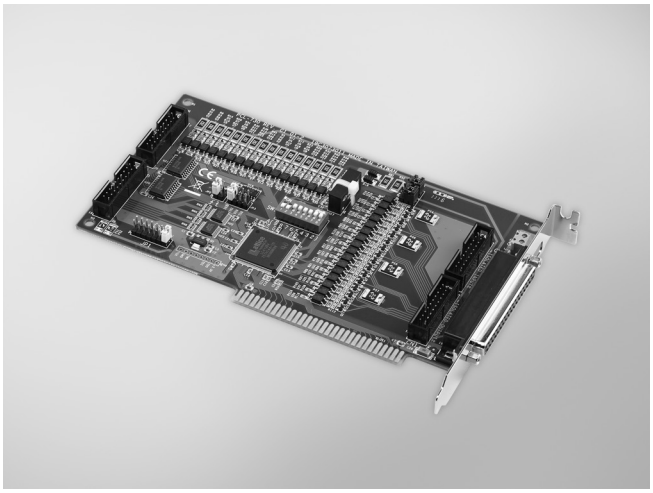
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Find the *Advantech PCL-730* at our website: ***Click HERE***

PCL-730

32-ch Isolated Digital I/O ISA Card



Features

- 32 isolated DIO ch. (16 inputs and 16 outputs)
- 32 TTL-level DIO ch. (16 inputs and 16 outputs)
- High output driving capacity
- Interrupt capability
- Two 20-pin connectors for isolated digital I/O channels and two for TTL digital I/O channels
- D-type connector for isolated input and output channels
- High-voltage isolation on output channels

Introduction

The PCL-730 offers isolated digital input channels as well as isolated digital output channels with isolation protection up to 2,500 V_{DC}, which makes them ideal for industrial applications where high-voltage isolation is required. There are also 32 TTL DIO channels.

Specifications

Digital Input

- **Channels** 16
- **Compatibility** 5 V/TTL
- **Input Voltage** Logic 0: 0.8 V max.
Logic 1: 2.0 V min.
- **Interrupt Capable Ch.** 2 (DI0, DI1)

Isolated Digital Input

- **Channels** 16
- **Input Voltage** Logic 0: 1 V max.
Logic 1: 5 V min., 24 V max.
- **Interrupt Capable Ch.** 2 (IDI0, IDI1)
- **Isolation Protection** 2,500 V_{DC}
- **Opto-Isolator Response** 100 µs
- **Input Resistance** 3 KΩ @ 0.2 W

Digital Output

- **Channels** 16
- **Compatibility** 5 V/TTL
- **Output Voltage** Logic 0: 0.8 V max.
Logic 1: 2.0 V min.
- **Output Capability** Sink: 8 mA
Source: 0.4 mA

Isolated Digital Output

- **Channels** 16
- **Output Type** Sink type (NPN)
- **Isolation Protection** 2,500 V_{DC}
- **Output Voltage** 5 ~ 40 V_{DC}
- **Sink Current** 200 mA max./channel
- **Opto-Isolator Response** 100ms

General

- **Bus Type** ISA
- **I/O Connectors** 1 x 37-pin D-type female
2 x 20-pin box header for fl at cable
- **Dimensions (L x H)** 185 x 100 mm (7.3" x 3.9")
- **Power Consumption** Typical: 5 V @ 330 mA; 12 V @ 80 mA
Max.: 5 V @ 500 mA; 12 V @ 105 mA
- **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature** -20 ~ 70°C (-4 ~ 158°F)
- **Storage Humidity** 5 ~ 95% RH, non-condensing (refer to IEC 68-2-3)

Ordering Information

- **PCL-730** 32-channel isolated digital I/O card, user's manual and driver CD-ROM (cable not included)
- **PCL-10120-1** 20-pin fl at cable, 1m
- **PCL-10120-2** 20-pin fl at cable, 2m
- **ADAM-3920** 20-pin fl at cable wiring terminal for DIN-rail mounting
- **PCLD-782** 16-channel opto-isolated D/I board
- **PCLD-785** 16-channel relay output board
- **PCLD-885** 16-channel power relay (form A) output board
- **PCL-10137-1** DB37 cable, 1m
- **PCL-10137-2** DB37 cable, 2m
- **PCL-10137-3** DB37 cable, 3m
- **ADAM-3937** DB37 wiring terminal for DIN-rail mounting

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