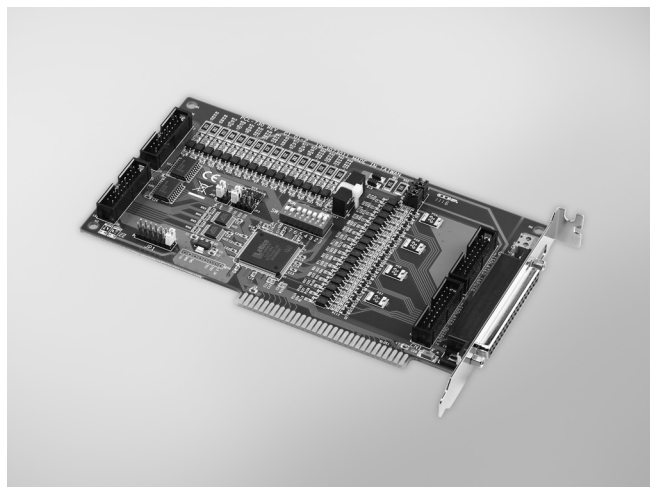


PCL-730

32-ch Isolated Digital I/O ISA Card



RoHS
COMPLIANT
2002/95/EC

FCC CE

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 (DIO, 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 (IDIO, IDI1)
- Isolation Protection 2,500 V_{DC}
- Opto-Isolator Response 100 μ s
- Input Resistance 3 K Ω @ 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