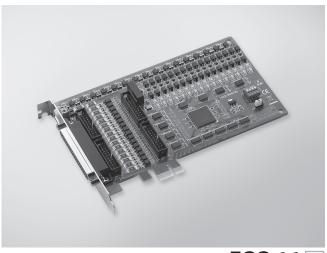
# **PCIE-1730**

## 32-ch TTL and 32-ch Isolated **Digital I/O PCI Express Card**



### **Features**

- 32-ch isolated DI/O (16-ch digital input, 16-ch digital output)
- 32-ch TTL DI/O (16-ch digital input,16-ch digital output)
- High output driving capacity
- Interrupt handling capability
- 2 x 20-pin connectors for isolated DI/O channels and 2 for TTL DI/O
- D-type connector for isolated input and output channels
- High-voltage isolation on output channels (2.500 V<sub>pc</sub>)

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## Introduction

PCIE-1730 offers isolated digital input channels as well as isolated digital output channels with isolation protection up to 2,500 Vpc, which makes them ideal for industrial applications where high-voltage isolation is required. There are also 32 TTL digital I/O channels on PCIE-1730.

## **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, DI8)

#### **Isolated Digital Input**

Channels

Input Voltage Logic 0: 3 V max.

Logic 1: 10 V min. (30 V max.)

 Interrupt Capable Ch. 2 (IDI0, IDI8) Isolation Protection 2.500 VDC ■ Opto-Isolator Response 50 µs 2.7 kΩ @ 1 W Input Resistance

#### **Digital Output**

Channels 16 Compatibility 5 V/TTL

 Output Voltage Logic 0: 0.8 V max.

Logic 1: 2.0 V min. Sink: 24 mA @ 0.8 V

 Output Capability Source: 15 mA @ 2.0 V

#### **Isolated Digital Output**

Channels

 Output Type Sink type (NPN) Isolation Protection 2,500 V<sub>DC</sub> Output Voltage 5 ~ 40 V<sub>DC</sub>

 Sink Current 500 mA max./channel

- Opto-Isolator Response 50 μs

#### General

Bus Type PCI Express V1.0 I/O Connectors 1 x DB37 female connector 4 x 20-pin box header

Dimensions (L x H) 168 x 100 mm (6.6" x 3.9")

Typical:3.3 V @ 280 mA, 12 V @ 330 mA Power Consumption

Max.: 3.3 V @ 420 mA, 12 V @ 400 mA

• Operating Temperature  $0 \sim 60^{\circ}\text{C} (32 \sim 140^{\circ}\text{F})$  Storage Temperature -25 ~ 85°C (-13 ~ 185°F) Storage Humidity 5 ~ 95% RH, non-condensing

## **Ordering Information**

 PCIE-1730 32-ch Isolated Digital I/O PCIe Card

#### **Accessories**

20-pin Flat Cable, 1 m PCL-10120-1E PCL-10120-2E 20-pin Flat Cable, 2 m

 ADAM-3920 20-pin DIN-rail Flat Cable Wiring Board PCLD-782 16-ch Isolated DI Board w/ 1m 20-pin Flat Cable PCLD-885 16-ch Power Relay Board w/ 20p & 50p Flat Cables PCLD-785 16-ch Relay Board w/ One 1m 20-pin Flat Cable

ADAM-3937 DB37 DIN-rail Wiring Board

PCL-10137-1E DB37 Cable, 1 m PCL-10137-2E DB37 Cable, 2 m PCL-10137-3E DB37 Cable, 3 m

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