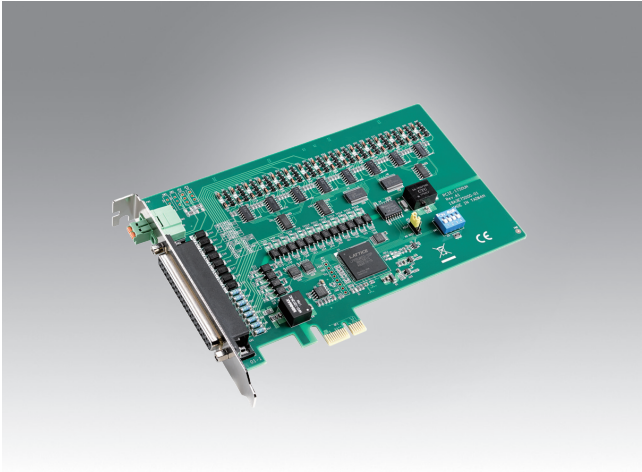


# PCIE-1750U

## 32-ch Isolated Digital I/O with universal output PCI Express Card



### Features

- 16-ch isolated digital input
- 16-ch isolated digital output for both PNP(source)/ NPN (sink) type
- High output driving capacity
- DO type selectable by software
- High isolation voltage (2,500 V<sub>DC</sub>)



### Introduction

PCIE-1750U provide 32 isolated DI/O with 2500V<sub>DC</sub> protection. Featured with software-configurable DO-polarity, users can apply either NPN(sink type) or PNP(source type) to the DO channels according to the application scenarios. The high sink current capability ensures this card to be applied on industrial automation environments.

### Specifications

#### Isolated Digital Input

- **Channels** 16
- **Input Voltage** Logic 0: 3 V max.  
Logic 1: 10 V min. (30 V max.)
- **Interruptible Channels** 2 (IDIO, IDI8)
- **Isolation Protection** 2,500 V<sub>DC</sub>
- **Opto-Isolator Response** 100 μs
- **Input Resistance** 3.37KΩ @ 1W
- **Input current** 3.4mA @ 12 V<sub>DC</sub>  
7.13mA @ 24 V<sub>DC</sub>

#### Isolated Digital Output

- **Channels** 16
- **Output Type** Sink type (NPN) or Source type (PNP), software-configurable
- **Isolation Protection** 2,500 V<sub>DC</sub>
- **Output Voltage** 5 ~ 40 V<sub>DC</sub>
- **Sink Current** 350 mA max./channel
- **Opto-Isolator Response** 100 μs

#### General

- **Bus Type** PCI Express V1.0
- **I/O Connectors** 1 x DB37, female
- **Dimensions (L x H)** 168 x 100 mm (6.6" x 3.9")
- **Power Consumption** Typical: 3.3V @ 255mA, 12V @ 30mA  
Max.: 3.3V @ 280mA, 12V @ 60mA
- **Operating Temperature** 0 ~ 60 °C (32 ~ 140 °F)
- **Storage Temperature** -25 ~ 85 °C (-13 ~ 185 °F)
- **Storage Humidity** 5 ~ 95% RH, non-condensing

### Ordering Information

- **PCIE-1750U** 32-ch Isolated Digital I/O with universal output PCI Express Card

#### Accessories

- **ADAM-3937-BE** 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