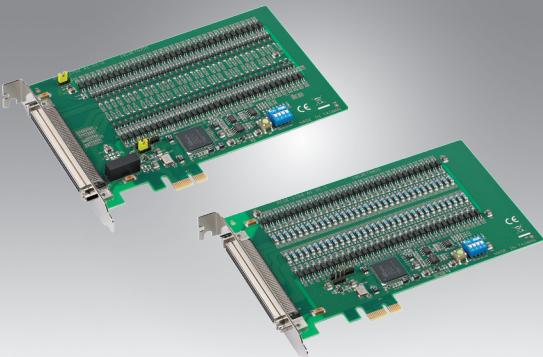


# PCIE-1752

# PCIE-1754

64-Ch Isolated Digital Output  
PCI Express Card

64-Ch Isolated Digital Input  
PCI Express Card



PCIE-1752

PCIE-1754



## Features

### PCIE-1752

- Wide output range (5 ~ 40 V<sub>DC</sub>)
- High sink current on isolated output channels (500mA max./ch)
- 2,000 V<sub>DC</sub> ESD protection
- High-voltage isolation (2,500 V<sub>DC</sub>)
- Interrupt handling capability

### PCIE-1754

- Wide input range (10 ~ 30 V<sub>DC</sub>)
- Either +/- voltage input for DI by group
- High overvoltage protection (70 V<sub>DC</sub>)
- High-voltage isolation (2,500 V<sub>DC</sub>)
- Output status read back
- Retains the output settings and values after system hot reset
- Channel-freeze function

## Introduction

PCIE-1752 and PCIE-1754 are isolated D/I/O cards that offer 64 isolated digital input/output channels with up to 2,500 V<sub>DC</sub> isolation protection. Featuring a wide input (10 ~ 30 V<sub>DC</sub>)/output (5 ~ 40 V<sub>DC</sub>) range and high sink current (500mA max./channel), PCIE-1752 and PCIE-1754 are ideal for use in industrial automation control systems. With Advantech's DAQNavi driver package, users can adjust the configuration settings easily and efficiently.

## Specifications

### Isolated Digital Input

▪ <b>Channels</b>	PCIE-1754: 64
▪ <b>Input Voltage</b>	Logic 0: 3 V max. Logic 1: 10 V min. (30 V <sub>DC</sub> max.)
▪ <b>Input Current</b>	10 V <sub>DC</sub> @ 2.97 mA 20 V <sub>DC</sub> @ 6.35 mA 30 V <sub>DC</sub> @ 9.73 mA
▪ <b>Interruptible Channels</b>	PCIE-1754: 4
▪ <b>Isolation Protection</b>	2,500 V <sub>DC</sub>
▪ <b>Overvoltage Protection</b>	70 V <sub>DC</sub>
▪ <b>ESD Protection</b>	2,000 V <sub>DC</sub>
▪ <b>Opto-Isolator Response</b>	50 µs

### Isolated Digital Output

▪ <b>Channels</b>	PCIE-1752: 64
▪ <b>Output Type</b>	Sink (NPN)
▪ <b>Isolation Protection</b>	2,500 V <sub>DC</sub>
▪ <b>Output Voltage</b>	5 ~ 40 V <sub>DC</sub>
▪ <b>Sink Current</b>	500 mA max./channel
▪ <b>Opto-isolator Response</b>	50 µs

### General

▪ <b>Bus Type</b>	PCI Express V1.0
▪ <b>I/O Connectors</b>	1 x 100-pin SCSI, female
▪ <b>Dimensions (L x H)</b>	168 x 100 mm (6.6" x 3.9")
▪ <b>Power Consumption</b>	<b>PCIE-1752</b> Typical: 3.3 V @ 485 mA Max.: 3.3 V @ 530 mA; 12V @ 90 mA <b>PCIE-1754</b> Typical: 3.3 V @ 285 mA Max.: 3.3 V @ 330 mA
▪ <b>Operating Temperature</b>	0 ~ 60 °C (32 ~ 140 °F)
▪ <b>Storage Temperature</b>	-20 ~ 70 °C (-4 ~ 158 °F)
▪ <b>Storage Humidity</b>	5 ~ 95% RH, non-condensing

## Ordering Information

- **PCIE-1752-AE** 64-ch isolated digital output PCI Express card
- **PCIE-1754-AE** 64-ch isolated digital input PCI Express card

### Accessories

▪ <b>PCL-10250-1E</b>	100-pin SCSI to 2 x 50-pin SCSI cable, 1 m
▪ <b>PCL-10250-2E</b>	100-pin SCSI to 2 x 50-pin SCSI cable, 2 m
▪ <b>ADAM-3951-BE</b>	50-pin DIN rail wiring board w/LED indicators
▪ <b>PCL-101100M-3E</b>	100-pin SCSI to 100-pin SCSI cable, 3 m
▪ <b>ADAM-39100-BE</b>	100-pin DIN rail wiring board