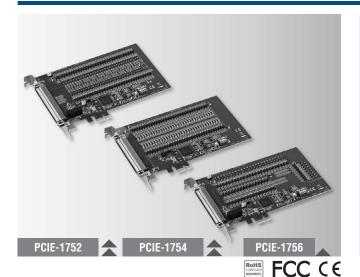
PCIE-1752 PCIE-1754 PCIE-1756

64-ch Isolated Digital Output PCI Express Card 64-ch Isolated Digital Input PCI Express Card

64-ch Isolated Digital I/O PCI Express Card



Features

PCIE-1752/1756

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

PCIE-1754/1756

- Wide input range (10 ~ 30 V_{DC})
- Either +/- voltage input for DI by group
- High over-voltage protection (70 V_{DC})
- High-voltage isolation (2,500 V_{DC})
- Output status read-back
- Keeps the output settings and values after system hot reset
- Channel-freeze function

Introduction

The Advantech PCIE-1752, PCIE-1754 and PCIE-1756 series products offer 64 isolated digital input and output channels with 2,500 V_{DC} isolation protection. They feature a wide input range (10 ~ 30 V_{DC}), wide output range (5 ~ 40 V_{DC}) and high sink current (500mA max./channel) can make PCIE-1752/1754/1756 series products easily used in industrial automation control systems. With the help of the latest Advantech driver - DAQNavi, users can perform the configuration and setting easily and efficiently in the programming.

Specifications

Isolated Digital Input

• **Channels** PCIE-1754: 64 PCIE-1756: 32

■ **Input Current** 10 V_{DC} @ 2.97 mA

20 V_{DC} @ 6.35 mA 30 V_{DC} @ 9.73 mA

• Interrupt Capable Ch. PCIE-1754: 4

PCIE-1756: 2
■ Isolation Protection 2,500 V_{DC}
■ Overvoltage Protection 70 V_{DC}
■ ESD Protection 2,000 V_{DC}

- Opto-Isolator Response 50 μs

Isolated Digital Output

• Channels PCIE-1752: 64

PCIE-1756: 32

Output Type Sink (NPN)

Isolation Protection 2,500 V_{DC}

Output Voltage 5 ~ 40 V_{DC}

• Sink Current 500 mA max./channel

- Opto-isolator Response 50 μs

General

Bus Type PCI Express V1.0

I/O Connectors
 Dimensions (L x H)
 1 x 100-pin SCSI female connector
 175 x 100mm (6.9" x 3.9")

Power Consumption PCIE-1752

Typical: 3.3 V @ 485 mA

Max.: 3.3 V @ 530 mA; 12V @ 90 mA

PCIE-1754 Typical: 3.3 V @ 285 mA

Max.: 3.3 V @ 330 mA

PCIE-1756

Typical: 3.3 V @ 385 mA

Max.: 3.3 V @ 430 mA; 12V @ 55 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

PCIE-1752 64-ch Isolated Digital Output PCI Express Card
 PCIE-1754 64-ch Isolated Digital Input PCI Express Card
 PCIE-1756 64-ch Isolated Digital I/O PCI Express Card

Accessories

PCL-10250-1
 PCL-10250-2
 ADAM-3951
 PCL-101100M-3
 ADAM-39100
 100-pin SCSI to Two 50-pin SCSI Cable, 2 m
 100-pin SCSI to Two 50-pin SCSI Cable, 2 m
 100-pin DIN-rail Wiring Board w/ LED Indicators
 100-pin SCSI to 100-pin SCSI Cable, 3 m
 100-pin DIN-rail Wiring Board