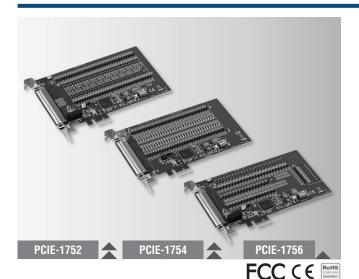
PCIE-1752 PCIE-1754 PCIE-1756

64-ch Isolated Digital Output PCI Express

64-ch Isolated Digital Input PCI Express

64-ch Isolated Digital I/O PCI Express Card



Features

PCIE-1752/1756

- Wide output range (5 ~ 40 VDC)
- · 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 Vpc 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 Voltage Logic 0: 3 V max.

Logic 1: 10 V min. (30 V_{DC} max.)

10 Vnc @ 2.97 mA Input Current 20 Vnc @ 6.35 mA

30 V_{DC} @ 9.73 mA PCIE-1754: 4

 Interrupt Capable Ch. PCIF-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 $5 \sim 40 V_{DC}$

500 mA max./channel Sink Current

 Opto-isolator Response 50 μs

General

Bus Type PCI Express V1.0

I/O Connectors 1 x 100-pin SCSI female connector Dimensions (L x H) 168 x 100 mm (6.6" 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 $0 \sim 60^{\circ}\text{C} (32 \sim 140^{\circ}\text{F})$ Storage Temperature -20 ~ 70°C (-4 ~ 158°F) Storage Humidity 5 ~ 95% RH, non-condensing

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

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