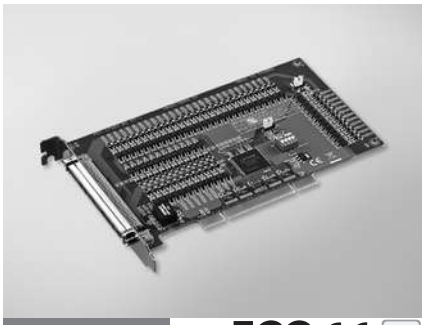
PCI-1752U
PCI-1754
PCI-1756

64-ch Isolated Digital Output Universal PCI Card

64-ch Isolated Digital Input PCI Card

64-ch Isolated Digital I/O PCI Card



PCI-1752U

Features

- 64 isolated digital output channels
- High-voltage isolation on output channels (2,500 V_{DC})
- Wide output range (5 ~ 40 V_{DC})
- High-sink current on isolated output channels (200 mA max./channel)
- Output status readback
- Keeps the output settings and values after system hot reset
- Channel-freeze function
- High-density 100-pin SCSI connector

Specifications

Isolated Digital Output

- **Channels** 64 (16-ch/group)
- **Output Type** Sink (NPN)
- **Isolation Protection** 2,500 V_{DC}
- **Output Voltage** 5 ~ 40 V_{DC}
- **Sink Current** 200 mA max./channel
- **Opto-isolator Response** 100 µs

General

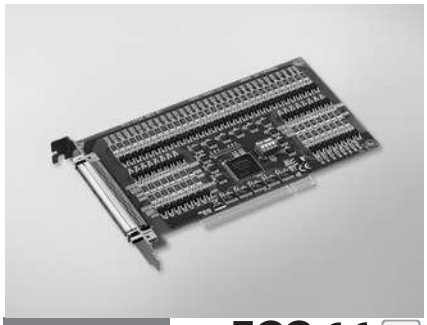
- **Bus Type** Universal PCI V2.2
- **I/O Connectors** 1 x 100-pin SCSI female connector
- **Dimensions (L x H)** 175 x 100mm (6.9" x 3.9")
- **Power Consumption** Typical: 5 V @ 230 mA
Max.: 5 V @ 500 mA
- **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature** -20 ~ 70°C (-4 ~ 158°F)
- **Storage Humidity** 5 ~ 95%, RH non-condensing

Ordering Information

- **PCI-1752U** 64-ch Isolated Digital Output Universal PCI Card

Accessories

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



PCI-1754

Features

- 64 isolated digital input channels
- Either ± voltage input for DI by group
- High-voltage isolation on input channels (2,500 V_{DC})
- High over-voltage protection (70 V_{DC})
- Wide input range (10 ~ 50 V_{DC})
- 2,000 V_{DC} ESD protection
- Interrupt handling capability
- High-density 100-pin SCSI connector

Specifications

Isolated Digital Input

- **Channels** 64 (16-ch/group)
- **Input Voltage** Logic 0: 3 V max.
Logic 1: 10 V min. (50 V max.)
- **Input Current (Typical)** 10 V_{DC} @ 1.7 mA,
12 V_{DC} @ 2.1 mA
24 V_{DC} @ 4.4 mA,
48 V_{DC} @ 9.0 mA
50 V_{DC} @ 9.4 mA
- **Interrupt Capable Ch.** 4 (IDI0,IDI16,IDI32,IDI48)
- **Isolation Protection** 2,500 V_{DC}
- **Overvoltage Protection** 70 V_{DC}
- **ESD** 2,000 V_{DC}
- **Opto-Isolator Response** 100 µs

General

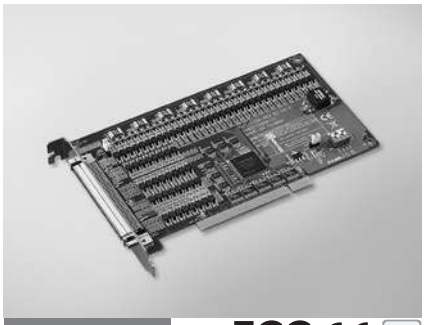
- **Bus Type** PCI V2.2
- **I/O Connectors** 1 x 100-pin SCSI female connector
- **Dimensions (L x H)** 175 x 100mm (6.9" x 3.9")
- **Power Consumption** Typical: 5 V @ 340 mA
Max.: 5 V @ 450 mA
- **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature** -20 ~ 70°C (-4 ~ 158°F)
- **Storage Humidity** 5 ~ 95% RH, non-condensing

Ordering Information

- **PCI-1754** 64-ch Isolated Digital Input PCI Card

Accessories

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



PCI-1756

Features

- Either ± voltage input for DI by group
- High-voltage isolation input/output channels (2,500 V_{DC})
- 2,000 V_{DC} ESD protection for DI
- High over-voltage protection (70 V_{DC}) for DI
- High-sink current on isolated output channels (200 mA max./channel)
- Output status readback
- Keeps output settings/ values after system hot reset
- Interrupt handling capability
- High-density 100-pin SCSI connector

Specifications

Isolated Digital Input

- **Channels** 32 (16-ch/group)
- **Input Voltage** Logic 0: 3 V max.
Logic 1: 10 V min. (50 V max.)
- **Interrupt Capable Ch.** 2 (IDI0, IDI16)
- **Isolation Protection** 2,500 V_{DC}
- **Overvoltage Protection** 70 V_{DC}
- **Opto-Isolator Response** 100 µs
- **Input Current** 10 V_{DC} @ 1.7 mA,
12 V_{DC} @ 2.1 mA
24 V_{DC} @ 4.4 mA,
48 V_{DC} @ 9.0 mA
50 V_{DC} @ 9.4 mA

Isolated Digital Output

- **Channels** 32 (16-ch/group)
- **Output Type** Sink (NPN)
- **Isolation Protection** 2,500 V_{DC}
- **Output Voltage** 5 ~ 40 V_{DC}
- **Sink Current** 200 mA max./channel
- **Opto-isolator Response** 100 µs

General

- **Bus Type** PCI V2.2
- **I/O Connectors** 1 x 100-pin SCSI female connector
- **Dimensions (L x H)** 175 x 100mm (6.9" x 3.9")
- **Power Consumption** Typical: 5 V @ 285 mA
Max.: 5 V @ 475 mA
- **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature** -20 ~ 70°C (-4 ~ 158°F)
- **Storage Humidity** 5 ~ 95%, non-condensing

Ordering Information

- **PCI-1756** 64-ch Isolated Digital I/O PCI Card

Accessories

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

All product specifications are subject to change without notice

Date updated: 15-Jul-2015