

# PCI-1752U/1752USO

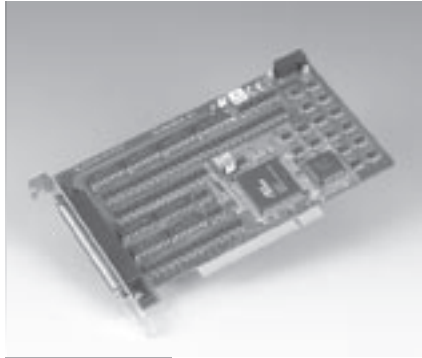
## PCI-1754

## PCI-1756

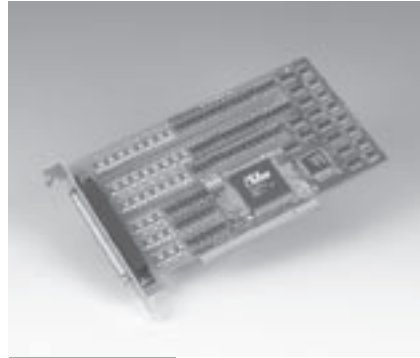
64-ch Isolated Digital Output Card

64-ch Isolated Digital Input Card

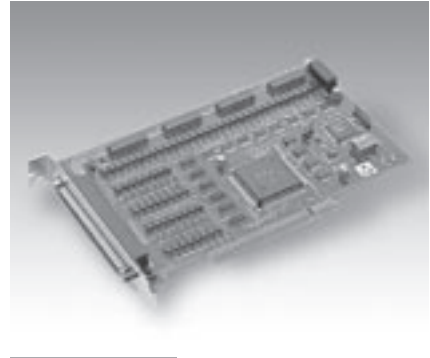
64-ch Isolated Digital I/O Card



PCI-1752



PCI-1754



PCI-1756



### Features

- 64 isolated digital output channels
- High-voltage isolation on output channels (2500 V<sub>DC</sub>)
- 2000 V<sub>DC</sub> ESD protection
- Wide output range (5 ~ 40 V<sub>DC</sub>)
- High-sink current on isolated output channels (200 mA max./channel)
- Output status read-back
- Keeps digital output values when hot system reset
- Channel-freeze function
- High-density 100-pin SCSI connector
- Support sink (1752U) & Source (1752USO) DO type

### Specifications

#### Isolated Digital Output

- Channels** 64 (16-ch/group)
- Output Type** Sink (NPN)
- Isolation Protection** 2,500 V<sub>DC</sub>
- Output Voltage** 5 ~ 40 V<sub>DC</sub>
- Sink Current** 200 mA max./channel
- Opto-isolator Response** 25 μs

#### General

- Bus Type** Universal PCI V2.2
- I/O Connectors** 1 x 100-pin SCSI-II female
- Dimensions (L x H)** 175x100mm (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)  
(IEC 68-2-1, 2)
- Storing Temperature** -20 ~ 70° C (-4 ~ 158° F)
- Storing Humidity** 5 ~ 95% RH, (IEC 68-2-3)  
non-condensing

### Ordering Information

- PCI-1752U** PCI-1752U 64-ch isolated PCI card (Sink type)
- PCI-1752USO** 64-ch isolated PCI card (Source type)
- PCI-10250-1** 1w-pin to two 50-pin SCSI Caste, Im
- ADAM-3951** Wiring terminal module with LED-indicators for DIN-rail Mounting

### Features

- 64 isolated digital input channels
- Either +/- voltage input for DI by group
- High-voltage isolation on input channels (2500 V<sub>DC</sub>)
- High over-voltage protection (70 V<sub>DC</sub>)
- Wide input range (10 ~ 50 V<sub>DC</sub>)
- 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<sub>DC</sub> @ 1.7 mA, 12 V<sub>DC</sub> @ 2.1 mA  
24 V<sub>DC</sub> @ 4.4 mA, 48 V<sub>DC</sub> @ 9.0 mA  
50 V<sub>DC</sub> @ 9.4 mA
- Interrupt Capable Ch.** 4
- Isolation Protection** 2,500 V<sub>DC</sub>
- Overvoltage Protection** 70 V<sub>DC</sub>
- ESD** 2,000 V<sub>DC</sub>
- Opto-isolator Response** 25 μs

#### General

- Bus Type** PCI V2.2
- I/O Connectors** 100-pin SCSI-II female
- 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)  
(IEC 68-2-1, 2)
- Storing Temperature** -20 ~ 70° C (-4 ~ 158° F)
- Storing Humidity** 5 ~ 95% RH (IEC 68-2-3)  
non-condensing

### Ordering Information

- PCI-1754** 64-ch isolated digital input card
- PCI-10250-1** 1w-pin to two 50-pin SCSI Caste, Im
- ADAM-3951** Wiring terminal module with LED-indicators for DIN-rail Mounting

### Features

- Either +/- voltage input for DI by group
- Output status read-back for output channels
- Keeps digital output values after hot system reset

### 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 (IDIO, IDI16)
- Isolation Protection** 2,500 V<sub>DC</sub>
- Overvoltage Protection** 70 V<sub>DC</sub>
- ESD** 2,000 V<sub>DC</sub>
- Opto-isolator Response** 25 μs
- Input Current** 10 V<sub>DC</sub> @ 1.7 mA, 12 V<sub>DC</sub> @ 2.1 mA  
24 V<sub>DC</sub> @ 4.4 mA, 48 V<sub>DC</sub> @ 9.0 mA  
50 V<sub>DC</sub> @ 9.4 mA

#### Isolated Digital Output

- Channels** 32 (16-ch/group)
- Output Type** Sink (NPN)
- Isolation Protection** 2,500 V<sub>DC</sub>
- Output Voltage** 5 ~ 40 V<sub>DC</sub>
- Sink Current** 200 mA max./channel
- Opto-isolator Response** 25 μs

#### General

- Bus Type** PCI V2.2
- I/O Connectors** 1 x 100-pin SCSI-II female
- Dimensions (L x H)** 175x100mm (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)  
(IEC 68-2-1, 2)
- Storing Temperature** -20 ~ 70° C (-4 ~ 158° F)
- Storing Humidity** 5 ~ 95% (IEC 68-2-3)  
non-condensing

### Ordering Information

- PCI-1756** 64-ch Isolated Digital I/O Card
- PCI-10250-1** 1w-pin to two 50-pin SCSI Caste, Im
- ADAM-3951** Wiring terminal module with LED-indicators for DIN-rail Mounting