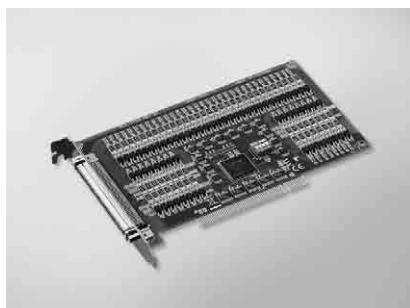


# PCI-1754 PCI-1756

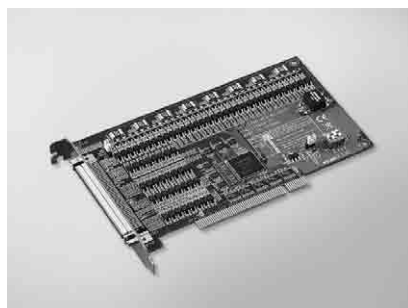
## 64-ch Isolated Digital Input PCI Card

## 64-ch Isolated Digital I/O PCI Card



PCI-1754

FCC CE RoHS



PCI-1756

FCC CE RoHS

### Features

- 64 isolated digital input channels
- Either  $\pm$  voltage input for DI by group
- High-voltage isolation on input channels (2,500 V<sub>DC</sub>)
- High over-voltage protection (70 V<sub>DC</sub>)
- Wide input range (10 ~ 50 V<sub>DC</sub>)
- 2,000 V<sub>DC</sub> 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<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 (ID10, ID116, ID132, ID148)
- **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** 100  $\mu$ s

#### 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

### Features

- Either  $\pm$  voltage input for DI by group
- High-voltage isolation input/output channels (2,500 V<sub>DC</sub>)
- 2,000 V<sub>DC</sub> ESD protection for DI
- High over-voltage protection (70 V<sub>DC</sub>) 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 (ID10, ID116)
- **Isolation Protection** 2,500 V<sub>DC</sub>
- **Overvoltage Protection** 70 V<sub>DC</sub>
- **Opto-Isolator Response** 100  $\mu$ s
- **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** 100  $\mu$ s

#### 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