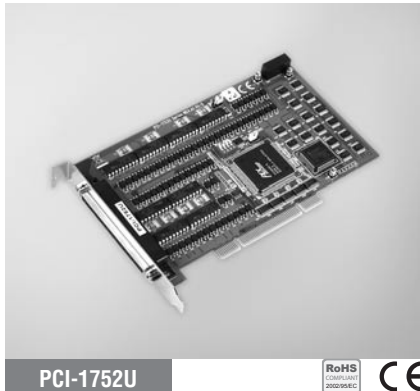# PCI-1752U
PCI-1754
PCI-1756

64-ch Isolated Digital Output Universal PCI Card

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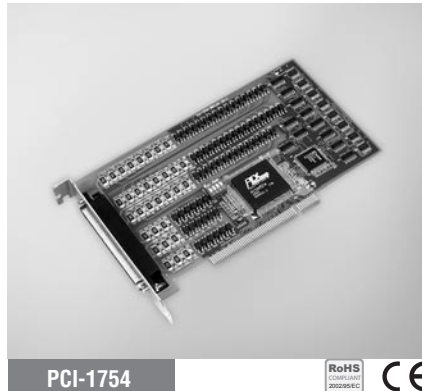
64-ch Isolated Digital I/O PCI Card

PCI-1752U

PCI-1754

PCI-1756

Features

- 64 isolated digital output channels
- High-voltage isolation on output channels (2,500 V_{DC})
- 2,000 V_{DC} ESD protection
- 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
- Support sink

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** — 25 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) (IEC 68-2-1, 2)
- **Storage Temperature** — -20 ~ 70° C (-4 ~ 158° F)
- **Storage Humidity** — 5 ~ 95% RH, (IEC 68-2-3) non-condensing

Ordering Information

- **PCI-1752U** — 64-ch Isolated Digital Output Universal PCI Card
- **PCL-10250-1** — 100-pin SCSI to Two 50-pin SCSI Cable, 1 m
- **ADAM-3951** — 50-pin DIN-rail Wiring Board w/ LED Indicators

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})
- 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
- **Isolation Protection** — 2,500 V_{DC}
- **Overvoltage Protection** — 70 V_{DC}
- **ESD** — 2,000 V_{DC}
- **Opto-Isolator Response** — 25 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) (IEC 68-2-1, 2)
- **Storage Temperature** — -20 ~ 70° C (-4 ~ 158° F)
- **Storage Humidity** — 5 ~ 95% RH (IEC 68-2-3) non-condensing

Ordering Information

- **PCI-1754** — 64-ch Isolated Digital Input PCI Card
- **PCL-10250-1** — 100-pin SCSI to Two 50-pin SCSI Cable, 1 m
- **ADAM-3951** — 50-pin DIN-rail Wiring Board w/ LED Indicators

Features

- Either +/- voltage input for DI by group
- Output status readback
- Keeps the output settings and 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}
- **ESD** — 2,000 V_{DC}
- **Opto-Isolator Response** — 25 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** — 25 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) (IEC 68-2-1, 2)
- **Storage Temperature** — -20 ~ 70° C (-4 ~ 158° F)
- **Storage Humidity** — 5 ~ 95 % (IEC 68-2-3) non-condensing

Ordering Information

- **PCI-1756** — 64-ch Isolated Digital I/O PCI Card
- **PCL-10250-1** — 100-pin SCSI to Two 50-pin SCSI Cable, 1 m
- **ADAM-3951** — 50-pin DIN-rail Wiring Board w/ LED Indicators