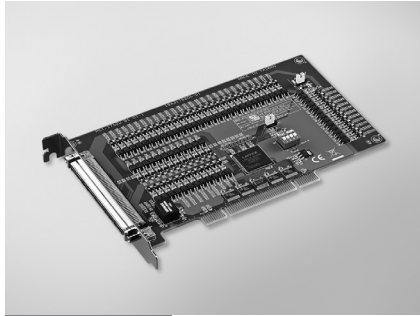# PCI-1752U
64-ch Isolated Digital Output Universal PCI Card

PCI-1754
64-ch Isolated Digital Input PCI Card

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

PCI-1752U FCC CE RoHS COMPLIANT 2002/95/EC

PCI-1754 FCC CE RoHS COMPLIANT 2002/95/EC

PCI-1756 FCC CE RoHS COMPLIANT 2002/95/EC

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

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

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 Output

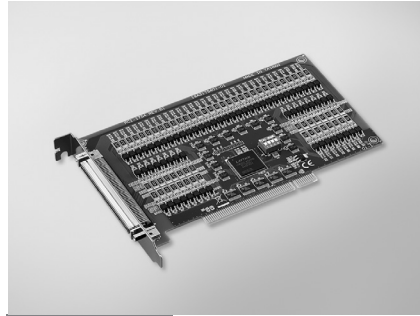|	
Channels	64 (16-ch/group)
Output Type	Sink (NPN)
Isolation Protection	2,500 V_{DC}
Output Voltage	5 ~ 40 V_{DC}
Sink Current	200 mA max./channel
Opto-isolator Response	100 µs

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

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

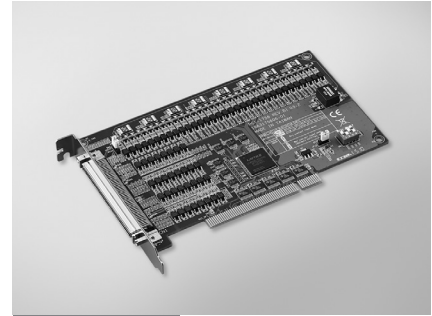|	
Bus Type	PCI V2.2
I/O Connectors	1 x 100-pin SCSI female connector
Dimensions (L x H)	175 x 100mm (6.9" x 3.9")
Power Consumption	Typical: 5 V @ 340 mA Max.: 5 V @ 450 mA
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-20 ~ 70°C (-4 ~ 158°F)
Storage Humidity	5 ~ 95% RH, non-condensing

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

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

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