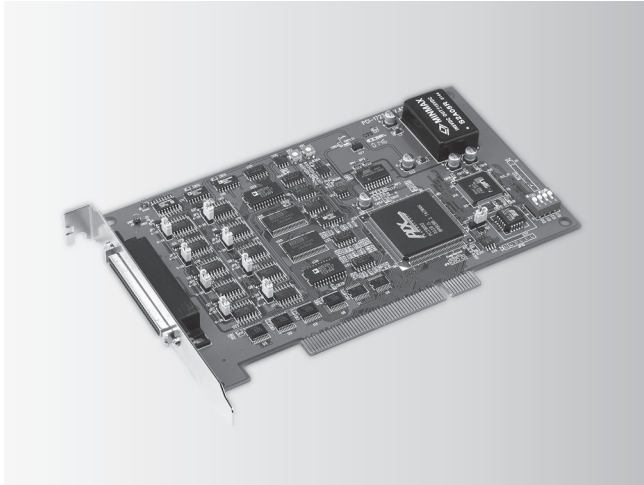


# PCI-1723

# PCI-1727U

16-bit, 8-ch Analog Output PCI Card with  
16-ch Digital I/O

14-bit, 12-ch Analog Output Universal  
PCI Card with 32-ch Digital I/O



PCI-1723

FCC CE RoHS  
COMPLIANT  
2002/95/EC

## Specifications

### Analog Output

- Channels 8
- Resolution 16 bits
- Output Rate Static update
- Output Range

|                   |  |
|-------------------|--|
| Bipolar (V)       | ±10                                    |
| Current Loop (mA) | 0 ~ 20, 4 ~ 20 (software programmable) |

- Driving Capability 5 mA
- Output Impedance 0.1 Ω max.
- Operation Modes Software polling, synchronized output
- Accuracy Relative: ±6 LSB  
Differential Non-linearity: ±6 LSB (monotonic)

### Digital Input/Output

- Channels 16 (shared by input/output)
- Compatibility 5 V/TTL
- Input Voltage Logic 0: 0.8 V max.  
Logic 1: 2.0 V min.
- Output Capability Sink Sink: 0.5 V @ 24 mA  
Source: 2.0 V @ 15 mA

### General

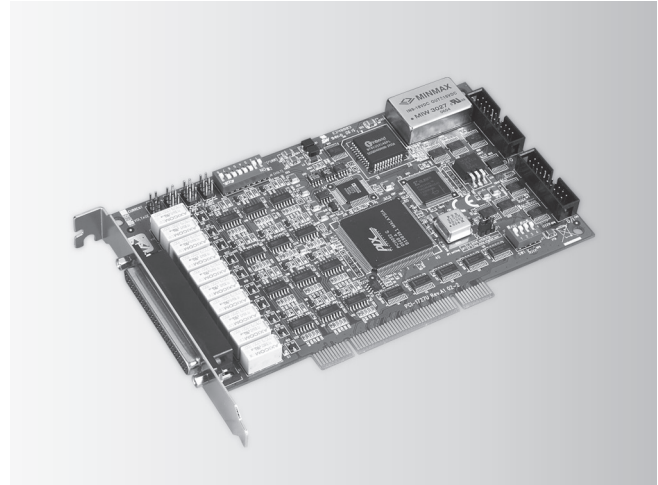
- Bus Type PCI V2.2
- I/O Connectors 1 x 68-pin SCSI female connector
- Dimensions (L x H) 175 x 100 mm (6.9" x 3.9")
- Power Consumption Typical: 5 V @ 850 mA, 12 V @ 600 mA  
Max.: 5 V @ 1 A, 12 V @ 700 mA
- Operating Temperature 0 ~ 60°C (32 ~ 158°F)
- Storage Temperature -20 ~ 85°C (-4 ~ 185°F)
- Storage Humidity 5 ~ 95% RH non-condensing

## Ordering Information

- PCI-1723 16-bit, 8-ch Non-isolated Analog Output PCI Card

### Accessories

- PCL-10168-1E 68-pin SCSI Shielded Cable, 1 m
- PCL-10168-2E 68-pin SCSI Shielded Cable, 2 m
- ADAM-3968 68-pin DIN-rail SCSI Wiring Board



PCI-1727U

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## Specifications

### Analog Output

- Channels 12
- Resolution 14 bits
- Output Rate Static update
- Output Range

|                   |        |
|-------------------|--------|
| Bipolar (V)       | ±10    |
| Current Loop (mA) | 0 ~ 20 |

- Slew Rate 0.7 V/μs
- Driving Capability 15 mA
- Operation Modes Software polling, synchronized output
- Current Loop Excitation 8 ~ 36 V

### Digital Input

- Channels 16
- Compatibility 5 V/TTL
- Input Voltage Logic 0: 0.8 V max.  
Logic 1: 2.0 V min.
- Input Loading 0.5 V @ 0.4 mA max. (low)  
2.7 V @ 50 μA max. (high)

### Digital Output

- Channels 16
- Compatibility 5 V/TTL
- Output Voltage Logic 0: 0.5 V, Logic 1: 2.4 V
- Output Capability Sink: 0.5 V @ 8 mA  
Source: 2.4 V @ 0.4 mA

### General

- Bus Type Universal PCI V2.2
- I/O Connectors 1 x 37-pin D-type female connector  
2 x 20-pin box header
- Power Consumption 5 V @ 460 mA typical, 500 mA max  
12 V @ 150 mA typical, 100 mA max
- Dimensions (L x H) 175 x 100 mm (6.9" x 3.9")
- Operating Temperature 0 ~ 50°C (32 ~ 122°F)
- Storing Temperature -20 ~ 65°C (-4 ~ 149°F)
- Storing Humidity 5 ~ 95% RH, non-condensing

## Ordering Information

- PCI-1727U 14-bit, 12-ch Universal Analog Output Card

### Accessories

- PCL-10120-1E 20-pin flat cable, 1 m
- PCL-10137-1E DB37 cable assembly, 1 m
- ADAM-3937 DB37 wiring terminal for DIN-rail mounting