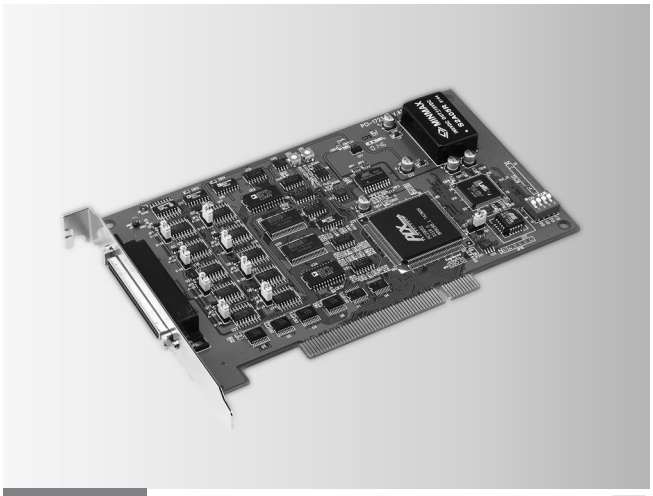
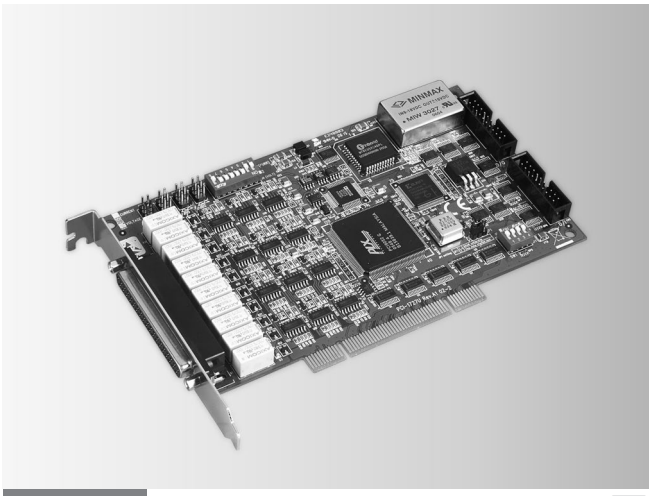
PCI-1723
PCI-1727U

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



PCI-1727U

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

Specifications

Analog Output

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

Bipolar (V)	±5
Unipolar (V)	0 ~ 5, 0 ~ 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 × 100 mm (6.9" ×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

All product specifications are subject to change without notice
Last updated : 5-May-2015