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

Specifications

Analog Output
- Channels: 8
- Resolution: 16 bits
- Output Rate: Static update
- Output Range: ±10 V
  - Bipolar (V)
  - 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.
- Input Loading: 0.5 V @ 0.4 mA max. (low)
  2.7 V @ 50 μA max. (high)
- Output Capability Sink: 0.5 V @ 8 mA
  Source: 2.4 V @ 0.4 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 – 65°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

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

Specifications

Analog Output
- Channels: 12
- Resolution: 14 bits
- Output Rate: Static update
- Output Range: ±5 V
  - Bipolar (V)
  - 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)
- Output Voltage: Logic 0: 0.5 V, Logic 1: 2.4 V
- Output Capability Source: 0.5 V @ 8 mA
  Sink: 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