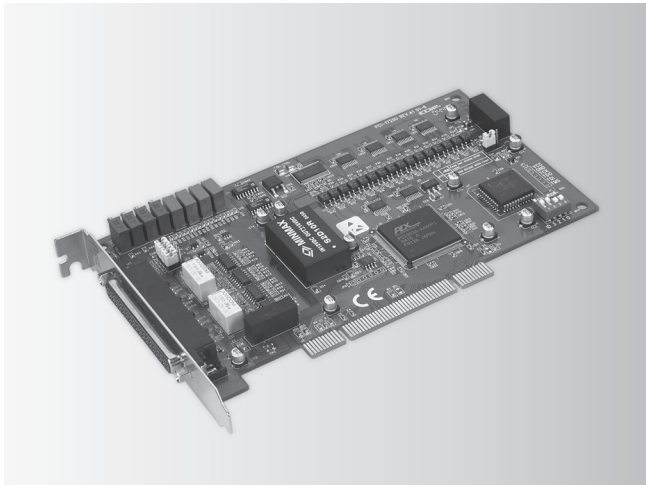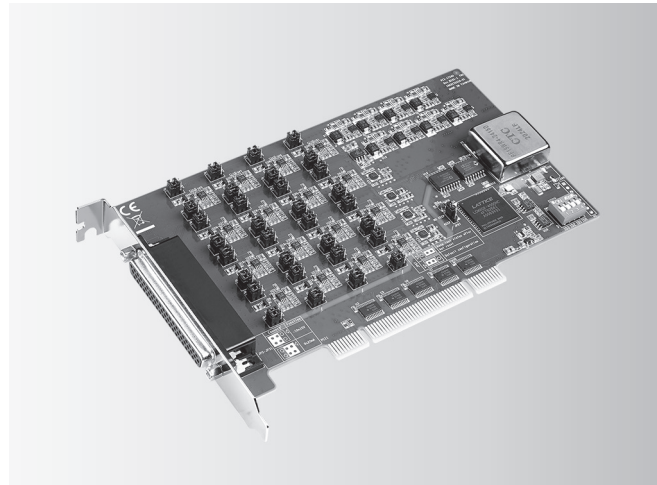# PCI-1720U

12-bit, 4-ch Isolated Analog Output Universal PCI Card

PCI-1724U

14-bit, 32-ch Isolated Analog Output Universal PCI Card

PCI-1720U   C€ FCC   RoHS COMPLIANT 2002/95/EC

PCI-1724U   C€ FCC   RoHS COMPLIANT 2002/95/EC

Specifications

Analog Output

- **Channels**   4 isolated
- **Resolution**   12 bits
- **Output Rate**   Static update
- **Output Range**

Bipolar (V)	±5, ±10
Unipolar (V)	0 ~ 5, 0 ~ 10
Current Loop (mA)	0 ~ 20, 4 ~ 20 (software programmable)

- **Slew Rate**   2 V/μs
- **Isolation Protection** 2,500 V_{DC}
- **Driving Capability**   5 mA
- **Operation Modes**   Software polling
- **Accuracy**   Relative: ±1 LSB; Differential Non-Linearity: ±1 LSB (monotonic)
- **Excitation Voltage**   50 V (max.)

General

- **Bus Type**   Universal PCI V2.2
- **I/O Connectors**   1 x DB37 female connector
- **Dimensions (L x H)**   175 x 100 mm (6.9" x 3.9")
- **Power Consumption**   5 V @ 350 mA (typical), 500 mA (max.) 12 V @ 200 mA (typical), 350 mA (max.)
- **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-1720U**   12-bit, 4-ch Isolated AO Universal PCI Card

Accessories

- **PCL-10137-1E**   DB37 Cable, 1 m
- **PCL-10137-2E**   DB37 Cable, 2 m
- **PCL-10137-3E**   DB37 Cable, 3 m
- **ADAM-3937**   DB37 DIN-rail Wiring Board

Specifications

Analog Output

- **Channels**   32 isolated
- **Resolution**   14 bits
- **Output Rate**   Static update
- **Output Range**

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

- **Isolation Protection** 1,500 V_{DC} system isolation
- **Output Impedance**   0.1 Ω max.
- **Operation Modes**   Software polling, synchronized output
- **Accuracy**   Relative: ±4 LSB Differential Non-linearity: ±2 LSB (monotonic)
- **Driving Capacity**   10 mA

General

- **Bus Type**   Universal PCI V2.2
- **I/O Connectors**   1 x DB62 female connector
- **Dimensions (L x H)**   175 x 100 mm (6.9" x 3.9")
- **Power Consumption**   5V @ 60 mA, 12 V @ 640 mA max.
- **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-1724U-BE**   14-bit, 32-ch Isolated AO Universal PCI Card

Accessories

- **PCL-10162-1E**   DB62 Cable, 1 m
- **PCL-10162-3E**   DB62 Cable, 3 m
- **ADAM-3962-AE**   DB62 DIN-rail Wiring Board

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