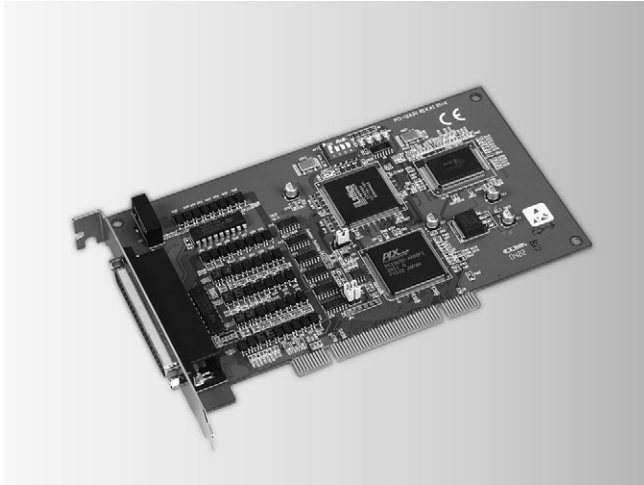


PCI-1243U PCI-1244U

4-axis Stepping Motor Control Universal PCI Card

Entry-level 4-axis Stepping and Servo Motor Control Universal PCI Card



PCI-1243U



Specifications

Pulse Type Motion Control

- **Motor Driver Support** Stepping
- **Number of Axes** 4
- **Max. Output Speed** 400 kpps
- **Step Count Range** 0 ~ 16, 777, 215
- **Pulse Output Type** Pulse/Direction, CW/CCW
- **Position Counters** ±16, 777, 215
- **Home Modes** 4
- **Velocity Profiles** T or S-curve acceleration/deceleration
- **Local I/O Interfaces** PEL x 4, NEL x 4, ORG x 4, SLD x 4, EMG x 1 General Inputs: 8 General Outputs: 8

Isolated Digital Input

- **Channels** 8
- **Input Voltage** Logic 0: 1 V
Logic 1: 12 V (24 V max.)
- **Isolation Protection** 3,750 VRMS
- **Opto-isolator Response** 25µs
- **Input Resistance** 4.7 kΩ

Isolated Digital Output

- **Channels** 8
- **Output Type** Sink (NPN)
- **Isolation Protection** 3,750 VRMS
- **Output Voltage** 5 ~ 30 V_{DC}
- **Sink Current** 200 mA max./channel; 1.1 A max. total
- **Opto-isolator Response** 25µs

General

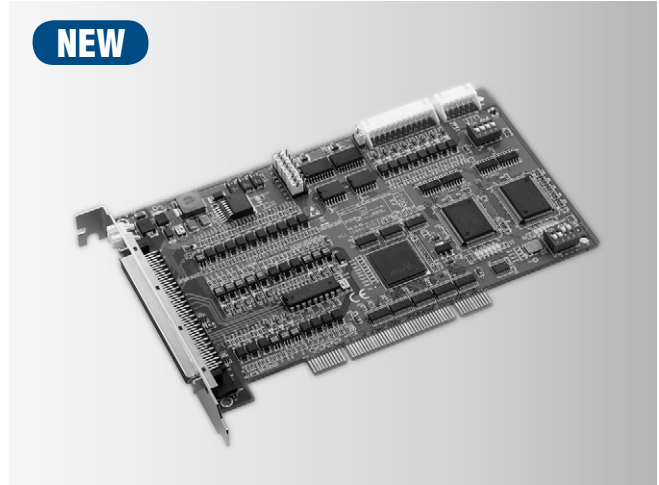
- **Bus Type** PCI V2.2
- **Certifications** CE, FCC Class A
- **Connectors** 1 x DB-62 female
- **Dimensions** 175 x 100 mm (6.9" x 3.9")
- **Power Consumption** Typical: 5 V @ 340 mA Max: 5 V @ 500 mA
- **Storing Humidity** 5 ~ 95% RH, non-condensing (IEC 68-2-3)
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Storing Temperature** -20 ~ 80° C (-4 ~ 170° F)

Ordering Information

- **PCI-1243U** 4-axis Stepping Motor Control Card

Accessories

- **PCL-10162-1** DB-62 Cable Assembly, 1 M
- **PCL-10162-3** DB-62 Cable Assembly, 3 M
- **ADAM-3962** DB-62 wiring terminal with DIN-rail mounting
- **ADAM-3943** PCI-1243U wiring board with LED



PCI-1244U



Specifications

Pulse Type Motion Control

- **Motor Driver Support** Pulse-type servo/stepping
- **Number of Axes** 4
- **Interpolation** 2-axis linear
- **Max. Output Speed** 2.4 Mpps
- **Step Count Range** 0 ~ 268,435,455 (28-bit)
- **Pulse Output Type** Pulse/direction (1-pulse, 1-direction type) or CW/CCW (2-pulse type)

- **Position Counters** Range of command and actual position
- **Velocity Profiles** T-Curve, S-Curve
- **Local I/O Interfaces** PEL x 4, MEL x 4, ORG x 4
Servo Driver Interfaces: ALM x 4, INP x 4
General Input: 12 (IN0 ~ 2 of each axis)
General Output: 16 (OUT4 ~ 7 of each axis)

Encoder Interface

- **Input Type** Quadrature (A/B phase) or up/down
- **Counts per Enc. Cycle** x1, x2, x4 (A/B phase only)
- **Input Range** 5 ~ 25 V
- **Isolation Protection** 2,500 V_{DC}
- **Max. Input Frequency** 1 MHz

General

- **Bus Type** Universal PCI V2.2
- **Certifications** CE, FCC Class A
- **Connectors** 1 x 100-pin SCSI female connector
- **Dimensions (L x H)** 175 x 100 mm (6.9" x 3.9")
- **Power Consumption** 5 V @ 900 mA max.
- **Humidity** 5 ~ 95% RH, non-condensing (IEC 68-2-3)
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 80° C (-4 ~ 176° F)

Ordering Information

- **PCI-1244U** Entry-level 4-axis Servo Motor Control PCI Card

Accessories

- **ADAM-39100** 100-pin DIN-rail SCSI Wiring Board
- **PCL-101100M-1** 100-pin SCSI Cable, 1 m
- **PCL-101100M-3** 100-pin SCSI Cable, 3 m