PCI-1220U PCI-1240U PCI-1243U

2-Axis Stepping and Servo Motor Control Universal PCI Card 4-Axis Stepping and Servo Motor Control Universal PCI Card

4-Axis Stepping Motor Control Universal PCI Card



PCI-1220U

Specifications

Pulse-Type Motion Control

- Motor Driver Support Pulse-type servo/stepping
- Number of Axis
- Interpolation Max. Output Speed
- Step Count Range
- Pulse Output Type
- Position Counters
- Velocity Profiles Local I/O
- Pulse/direction (1-pulse 1-direction type), or CW/CCW (2-pulse type) Range of command and actual position T-Curve, S-Curve Machine Interfaces: LMT+, LMT-, ORG Servo Driver Interfaces: ALM, RDY, SVON, INF Position Compare I/O: CMP General Digital I/O: 12-ch DI, 16-ch DO

Quadrature (A/B phase or up/

x1, x2, x4 (A/B phase only) 5 ~ 25 V

2 x IDC 50-pin male connector

5 ~ 95% RH, non-condensing

2-axis Stepping and Servo Motor

Control Universal PCI Card

50-pin DIN-rail SCSI and Box

(PCM-3240 only) 50-pin SCSI M-M Shielded Cable,

50-pin Cable to Panasonic A4/A5

50-pin Cable to Yaskawa Sigma

50-pin Cable to Mitsubishi J3/J4

50-pin Cable to Delta A2 Servo.

IDC-50 Flat Cable, 1.2m

Header Board

1m/3m

Servo, 2 m

Servo 2 m

2 m

All product specifications are subject to change without notice

V/7 Servo, 2 m

96 x 90 mm (3.8" x 3.5") Typical: 5 V @ 850 mA

2-axis linear, 2-axis circular

±2, 147, 483, 646 (32-bit)

4 Mpps

down)

2.500 Vpc

1 MHz

PC/104

CE, FCC Class A

Max.: 5 V @ 1 A

Encoder Interface

- Input Type
- Counts /Enc. Cycle .
- Input Range
- Isolation Protection Max. Input Freq.

General

- **Bus Type**
- Certification Connectors
- Dimensions (L x H)
- Power Consumption
- Humiditv
- (IEC 60068-2-3) 0 ~ 60°C (32 ~ 140°F) -20 ~ 85°C (-4 ~ 185°F) Operating Temp.
- Storage Temp.
- **Ordering Information**
- PCI-1220U-AE
- Accessories
- ADAM-3952-AF
- PCL-10150-1.2E
- PCI -10152-1F/3F
- PCL-10153PA5-2E
- PCL-10153YS5-2E
- PCL-10153MJ3-2E
- PCL-10153DA2-2E

AD\ANTECH



PCI-1240U

Specifications

Pulse-Type Motion Control

- Motor Driver Support
- Number of Axis Interpolation
- Max. Output Speed
 - **Step Count Range** ±2, 147, 483, 646 (32-bit) Pulse/direction (1-pulse. 1-direction Pulse Output Type
- type), or CW/CCW (2-pulse type) Range of command and actual Position Counters
- Velocity Profiles
 - -Curve, S-Curve Machine Interfaces: LMT+, LMT-, Local I/O ORG

Servo Driver Interfaces: ALM, RDY, SVON, INP Position Compare I/O: CMP General Digital I/O: 12-ch DI,

Pulse-type servo/stepping

circular

4 Mpps

position

2-axis linear, 3-axis linear, 2-axis

Encoder Interface

Input Type Counts /Enc. Cycle

PC/104

- Input Range
- Isolation Protection

General

- Connectors
- Dimensions (L x H) Power Consumption
- Humidity
- - (IEC 60068-2-3) 0 ~ 60°C (32 ~ 140°F) -20 ~ 85°C (-4 ~ 185°F) Operating Temp. Storage Temp.

Ordering Information PCI-1240U-B2E

4-axis Stepping and Servo Motor Control Universal PCI Card

Wiring Board

Wiring Board

Servo, 2 m

100-pin DIN-rail SCSI 4-axis Motion

50-pin DIN-rail SCSI 2-axis Motion

50-pin Cable to Yaskawa Sigma V/7

50-pin Cable to Delta A2 Servo. 2 m

50-pin DIN-rail SCSI and Box

Accessories ADAM-3956-AE

- ADAM-3955-AE
- ADAM-3952-AF
- - Header Board
 PCL-101100M-1E/2E/3E
 100-pin
 SCSI
 Cable,
 1m/2m/3m

 PCL-10251-1E/2E/3E
 100-pin
 SCSI
 to Two 50-pin
 SCSI
 Cable, 1m/2m/3m
 - PCL-10153PA5-2E 50-pin Cable to Panasonic A4/A5 Servo, 2 m
- . PCL-10153YS5-2E
 - Servo 2 m PCL-10153MJ3-2E 50-pin Cable to Mitsubishi J3/J4
- PCL-10153DA2-2E

Intelligent Motion Control and Machine Vision

Stepping

400 kpps

0~16,777,215

±16, 777, 215

x 4, EMG x 1

Logic 0: 1 V

3,750 V_{RMS}

Sink (NPN)

3,750 VRMS

5 ~ 30 Vpc

max. total

PCI V2.2

CE, FCC Class A

1 x DB-62 female

(IEC 60068-2-3)

175 x 100 mm (6.9" x 3.9")

5~95% RH. non-condensing

4-axis Stepping Motor Control

DB-62 Cable Assembly, 1m

DB-62 Cable Assembly, 3m

Last updated: 27-Jun-2018

DB-62 Wiring Board with

DIN-rail Mounting

Typical: 5 V @ 340 mA Max.: 5 V @ 500 mA

0~60°C (32~140°F)

-20~80°C (-4~170°F)

47 kW

8

T-Curve or S-Curve

acceleration/deceleration

Logic 1: 12 V (24 V max.)

200 mA max./channel; 1.1 A

PEL x 4, NEL x 4, RG x 4, SLD

Pulse/Direction, CW/CCW

PCI-1243U

Specifications

Pulse-Type Motion Control

- Motor Driver Support
- Number of Axis
- Max. Output Speed
- Step Count Range
- Pulse Output Type **Position Counters**
- **Home Modes**
- **Velocity Profiles**
- Local I/O Interfaces

Channels

Input Voltage

Isolation Protection

Isolated Digital Output

Isolation Protection

Opto-Isolator Response 25 µs

Input Resistance

Output Type

Output Voltage

Sink Current

General

Bus Type

Certification Connectors

Dimensions

PCI-1243U-AE

Accessories

PCL-10162-1E

PCL-10162-3E

ADAM-3962-AE

Power Consumption

Operating Temperature

Ordering Information

Card

Storing Temperature

Storing Humidity

Opto-Isolator Response 25 µs

General Input Channels 8 General Output Channels 8

> • Channels

- **Isolated Digital Input**
- 16-ch D0
- Quadrature (A/B phase or up/down)
- x1, x2, x4 (A/B phase only) 5 ~ 25 V
- 2,500 Vpc 1 MHz
- Max. Input Freq.

- Bus Type Certification
 - CE, FCC Class A 2 x IDC 50-pin male connector

96 x 90 mm (3.8" x 3.5") Typical: 5 V @ 850 mA Max.: 5 V @ 1 A 5 ~ 95% RH, non-condensing