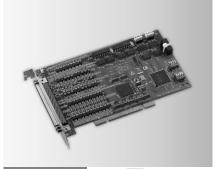
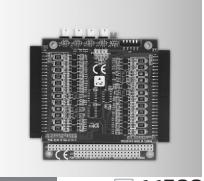
# PCI-1220U PCI-1240U PCM-3240

2-axis Stepping and Servo Motor **Control Universal PCI Card** 4-axis Stepping and Servo Motor **Control Universal PCI Card** 4-axis Stepping and Servo Motor Control PC/104 Card







PCI-1240U

ROHS CEFCC

PCM-3240 ROHS CEFCC

## **Specifications**

### **Pulse Type Motion Control**

Motor Driver Support Pulse-type servo/stepping

4 Mpps

Number of Axes

Interpolation

Max. Output Speed

Step Count Range **Pulse Output Type** 

Position Counters

Velocity Profiles

Local I/O Interfaces

**Specifications** 

## **Pulse Type Motion Control**

Motor Driver Support Pulse-type servo/stepping

**Number of Axes** 

Interpolation

Max. Output Speed

**Step Count Range** 

**Pulse Output Type** 

**Position Counters** 

**Velocity Profiles** 

Local I/O Interfaces

actual position T-Curve, S-Curve PEL x 4, MEL x 4, ORG x 4 Servo Driver Interfaces: ALM x 4, INP x 4 Position Compare I/O: CMP x 4 General Input: 12

2-axis linear, 3-axis linear,

Pulse/direction (1-pulse,

1-direction type) or CW/

Range of command and

CCW (2-pulse type)

2-axis circular

±2, 147, 483, 646

4 Mpps

(INO ~ 2 of each axis) General Output: 16 (OUT4 ~ 7 of each axis)

### **Encoder Interface**

Input Type

Quadrature (A/B phase) or up/down

(X\_OUT4 ~ 7, Y\_OUT4~7)

2-axis linear, 2-axis circular

± 2,147,483,646 (32 bits)

Pulse/direction (1-pulse,

1-direction type) or CW/

Range of command and

PEL x 2, MEL x 2, ORG x 2

Servo Driver Interfaces:

Position Compare I/O:

 $(X_IN0 \sim 2, Y_IN0 \sim 2)$ 

CCW (2-pulse type)

actual position

T-Curve, S-Curve

ALM x 2, INP x 2

General Input: 6

General Output: 8

CMP x 2

- Counts /Enc. Cycle Input Range

x1, x2, x4 (A/B phase only)  $0 \sim 2 V_{DC}$  for low;

Isolation Protection Max. Input Freq.

1 MHz

### General

Bus Type

 Certifications Connectors

Dimensions (L x H)

**Power Consumption** 

Humidity

Operating Temp.

 $5 \sim 30 \, V_{DC}$  for high 2,500 V<sub>DC</sub>

Universal PCI V2.2

CE, FCC Class A 1 x 50-pin SCSI female connector

175 x 100 mm (6.9" x 3.9") Typical: 5 V @ 850

mAMax.: 5 V @ 1 A 5 ~ 95% RH, noncondensing (IEC 68-2-3) 0 ~ 60° C (32 ~ 140° F)

-20 ~ 85° C (-4 ~ 185° F) Storage Temp.

## **Ordering Information**

 PCI-1220U 2-axis Stepping and Servo Motor Control PCI Card

Input Type

Counts /Enc. Cycle

**Encoder Interface** 

Input Range **Isolation Protection** Max. Input Freq.

Quadrature (A/B phase) or up/down

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

2,500 V<sub>DC</sub> 1 MHz

### General

**Bus Type** Certifications **Connectors** 

Dimensions (L x H)

**Power Consumption** 

Humidity Operating Temp. Universal PCI V2.2 CE, FCC Class A 1 x 100-pin SCSI female connector 175 x 100 mm (6.9" x 3.9")

Typical: 5 V @ 850 mAMax.: 5 V @ 1 A 5 ~ 95% RH, noncondensing (IEC 68-2-3)

 $0 \sim 60^{\circ} \text{ C} (32 \sim 140^{\circ} \text{ F})$ Storage Temp. -20 ~ 85° C (-4 ~ 185° F)

Orderina Information

PCI-1240U 4-axis Servo Motor Control PCI Card

## **Specifications**

## **Pulse Type Motion Control**

Motor Driver Support Pulse-type servo/stepping

Number of Axes

 Interpolation 2-axis linear, 3-axis linear, 2-axis circular

Max. Output Speed 4 Mpps

**Step Count Range** ±2, 147, 483, 646

**Pulse Output Type** Pulse/direction (1-pulse, 1-direction type), or CW/

CCW (2-pulse type) Range of command, range Position Counters of 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, RDY x 4, SVON x 4. INP x 4 Position Compare I/O: CMP x 4 General Input: 12

General Output: 16

## **Encoder Interface**

Input Type

Quadrature (A/B phase or up/down)

 Counts /Enc. Cycle x1, x2, x4 (A/B phase only)

Input Range 5 ~ 25 V 2,500 V<sub>DC</sub> **Isolation Protection** 

 Max. Input Freq. 1 MHz

### General

 Bus Type Certifications Connectors

PC/104 CE, FCC Class A 2 x IDC 50-pin male connector

Dimensions (L x H) 96 x 90 mm (3.8" x 3.5") Power Consumption Typical: 5 V @ 850

mAMax.: 5 V @ 1 A - Humidity 5 ~ 95% RH, noncondensing (IEC 68-2-3)

• Operating Temp. Storage Temp.

 $0 \sim 60^{\circ} \text{ C} (32 \sim 140^{\circ} \text{ F})$ -20 ~ 85° C (-4 ~ 185° F)

## **Ordering Information**

PCM-3240

4-axis Stepping/Servo Motor Control PC/104 Card