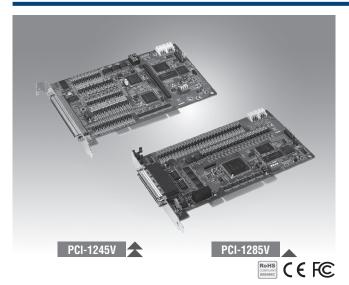
PCI-1245V **PCI-1285V**

Value DSP-Based 4/8-Axis Stepping and Servo Motor Control Universal PCI Card



Features

- Encoder input is 10 MHz for 4xAB mode, 2.5 MHz for CW/CCW mode
- Pulse output up to 5 Mpps
- Supports linear and circular interpolation
- Hardware emergency input
- Supports E-Gear
- Supports programmable acceleration/deceleration rate
- Memory buffer (up to 10K points) for trajectory planning which is designed in DSP(Auto-blending is not supported)
- Position compares triggering up to 100 KHz, and memory buffer is up to 100 K points in DSP
- Position latch
- Programmable interrupt and watchdoc timer
- RDY/LTC-dedicated input channels 2 SVON/CMP/CAM-DO/ERC-dedicated output channels are switchable or general input and output purposes

Introduction

The PCI-1245V is a 4-axis universal PCI (supporting both 3.3 V and 5 V signal slot) stepping/pulse-type se 10 inctor control card designed for applications which need to control interpolation, synchronization among multiple axes, and continuous contouring. The PCI-1245V utilizes high performance DSP and FPGA to calculate the motion trajectories, synchronization timing control for multiple axes, and input/output handling to offer functionality, such as Income terpolation, 2/3- axis circular interpolation, compare triggers, T/S-curve acceleration/deceleration rates, and so on. In addition, Advantech supplies a Common Motion API library, and so on. In addition, Advantech supplies a Common Motion API library, and so on. In addition, Advantech supplies a Common Motion API library, and so on. In addition, Advantech supplies a Common Motion API library, and so on. In addition, Advantech supplies a Common Motion API library, and so on. In addition, Advantech supplies a Common Motion API library, and so on. In addition, Advantech supplies a Common Motion API library, and so on. In addition, Advantech supplies a Common Motion API library, and so on. In addition, Advantech supplies a Common Motion API library, and so on. In addition, Advantech supplies a Common Motion API library, and so on. In addition, Advantech supplies a Common Motion API library, and so on. In addition, Advantech supplies a Common Motion API library, and so on. In addition, Advantech supplies a Common Motion API library, and so on. In addition, Advantech supplies a Common Motion API library, and so on. In addition, Advantech supplies are supplied as a common Motion API library and supplied as a common Motion API li

Specifications

Pulse Type Motion Control

 Motor Driver Support Pulse-type servo/stepping

Number of Axes

Interpolation Linear, 2/3-axis circular interpolation

 Max. Output Speed 5 Mbps

±2, 147, 483, 646 Step Count Range

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

(2-pulse type)

 Position Counters Range of command and actual position

 Velocity Profiles T-Curve, S-Curve

Local I/O

Machine Interfaces: LMT+, LM1 ORG Servo Driver Interfaces: ALM, INP CMP

Position Compare I/O

Encoder Interface

Quadrature (A/B phase) or up/down Input Type Counts per Enc. Cycle x1, x2, x4 (A/B phase only)

 Input Range 0~10 V Isolation Protection 2.500 Vpc

 Max. Input Frequency 10 MHz under 4xAB mode

General

Universal PCI V2.2 Bus Type

1 x 100-pin SCSI female connector Connectors Dimensions (L x H) 175 x 100 mm (6.9" x 3.9") Power Consumption Typical: 5 V @ 850 mA

Max.: 5 V @ 1 A

5 ~ 95% RH, non-condensing (IEC 60068-2-3) - Humidity

 Operating Temperature 0 ~ 60°C (32 ~ 140°F) Storage Temperature -20 ~ 85°C (-4 ~ 185°F)

Ordering Information

PCI-1245V-A Value 4-axis Stepping/Pulse-type Servo Motor Control

Universal PCI Card

PCI-1285V-A Value 8-axis Stepping/Pulse-type Servo Motor Control

Universal PCI Card

Accessories

 ADAM-3956-AE 100-pin DIN-rail SCSI 4-axis Motion Wiring Board ADAM-3955-BE 50-pin DIN-rail SCSI 2-axis Motion Wiring Board ADAM-3952-AE 50-pin DIN-rail SCSI and Box Header Board

PCL-101100M-1E/2E/3E 100-pin SCSI Cable, 1m/2m/3m for PCI-1245V PCL-101100SB-1E/2E/3E 100-pin SCSI Cable, 1m/2m/3m for PCI-1285V

PCL-10251-1E/2E/3E 100-pin SCSI to Two 50-pin SCSI Cable, 1m/2m/3m PCL-20153PA5-S2E 50-pin Cable to Panasonic A4/A5/A6 Servo, 2 m PCL-20153YS5-S2E 50-pin Cable to Yaskawa Sigma V/7 Servo, 2 m PCL-20153MJ3-S2E 50-pin Cable to Mitsubishi J3/J4 Servo, 2 m

PCL-20153DA2-S2E 50-pin Cable to Delta A2 Servo, 2 m