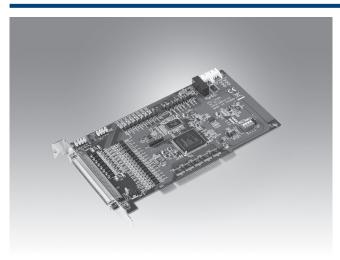
PCI-1245L

4-Axis Stepping and Servo Motor Control Universal PCI Card



Features

- Encoder input is 4 MHz for 4xAB mode, 1 MHz for CW/CCW mode
- Pulse output up to 1 Mpps and the output type can be switched to differential or single-end by jumper setting
- Supports 2 axis linear interpolation
- Supports T/S-curve
- Supports speed override
- Hardware emergency input
- Watchdog timer
- Supports programmable acceleration/deceleration rate
- Programmable interrupt
- RDY dedicated input channels & SVON/ERC dedicated output channels are switchable for general input and output purposes



Introduction

The PCI-1245Lare 4-axis universal PCI card supporting (both 3.3 V and 5 V signal slots) stepping/pulse-type and a control cards designed for entry-level applications which need to control JOG, point to point, continuous move, and interpolation motion such as 2-axis linear. In a lo fig., II Advantech motion controllers use the "Common Motion API" architecture which is a unified user programming interface and graphical utility. This architecture saves application maintenance and upgrades. Programmers can benefit from integrating any Advantech SoftMotion controller without changing large amounts of the application of the application of the application of the application and diagnosis easily.

Specifications

Pulse Type Motion Control

Motor Driver Support Pulse-type servo/stepping

Number of Axes

Interpolation2-axis linear interpolation

Max. Output Speed 1 Mbps

• Step Count Range ±2, 147, 483, 646

Pulse Output Type
Pulse/direction (1-pulse, '--i.'ection type), CW/CCW
(2-pulse type) or single-e. ded .5V output

Range of command and actual position

Position Counters
 Velocity Profiles
 Range of comman
 T-Curve, S-Curve

Local I/O

Machine Interfaces: LMT+, LV 1-, \RG
Servo Driver Interfaces: ALM, INP

Encoder Interface

Input Type Quadrature (A/B phase) or up/down

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

Input Range 3~10 V Isolation Protection 2.500 V_{DC}

Max. Input Frequency 4 MHz under 4xAB mode

General

Bus Type Universal PCI V2.2

Connectors
 1 x 100-pin SCSI female connector

■ **Dimensions (L x H)** 175 x 100 mm (6.9" x 3.9")

Power Consumption Typical: 5 V @ 0.6 A Max.: 5 V @ 1 A

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

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

Ordering Information

 PCI-1245L-AE
 4-axis Stepping/Pulse-type Servo Motor Control Universal PCI Card

Accessories

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

PCL-101100M-1E/2E/3E 100-pin SCSI Cable, 1m/2m/3m

PCL-10251-1E/2E/3E
 PCL-20153PA5-S2E
 PCL-20153YS5-S2E
 PCL-20153MJ3-S2E
 PCL-20153DA2-S2E
 PCL-20153DA2-S2E
 PCL-20153DA2-S2E
 PCL-20153DA2-S2E
 PCL-20153DA2-S2E
 PCL-20153DA2-S2E
 Too-pin SCSI to Two 50-pin SCSI Cable, 1m/2m/3m
 50-pin Cable to Panasonic A4/A5 Servo, 2 m
 50-pin Cable to Mitsubishi J3/J4 Servo, 2 m
 50-pin Cable to Delta A2 Servo, 2 m