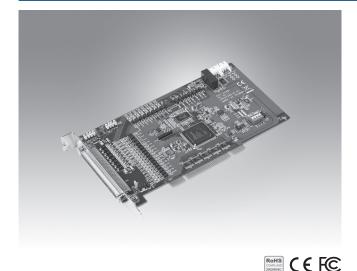
PCI-1245L

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 servo motor 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 addition, all 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 code. User-friendly examples decrease programming workload, helping users complete configuration and diagnosis easily.

Specifications

Pulse Type Motion Control

- Motor Driver Support
- Number of Axes
- Interpolation
- Max. Output Speed 1 Mbps ±2.147.483.646
- **Step Count Range**
- Pulse Output Type
- Position Counters

Velocity Profiles . Local I/O Machine Interfaces:

Servo Driver Interfaces:

Encoder Interface

- Input Type
- Counts per Enc. Cycle
- **Input Range**
- Isolation Protection

General

- Bus Type .
- Connectors
- Dimensions (L x H) .
- **Power Consumption**
- 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

100-pin DIN-rail SCSI 4-axis Motion Wiring Board

50-pin DIN-rail SCSI 2-axis Motion Wiring Board

100-pin SCSI to Two 50-pin SCSI Cable, 1m/2m/3m

50-pin DIN-rail SCSI and Box Header Board

- Accessories
- ADAM-3956-AE
- ADAM-3955-AE
- ADAM-3952-AE
- PCL-101100M-1E/2E/3E 100-pin SCSI Cable, 1m/2m/3m
- PCL-10251-1E/2E/3E
- PCL-20153PA5-S2E
- 50-pin Cable to Panasonic A4/A5 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

LMT+. LMT-. ORG

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

(2-pulse type) or single-ended +5V output

Range of command and actual position

Quadrature (A/B phase) or up/down x1, x2, x4 (A/B phase only)

Pulse-type servo/stepping

2-axis linear interpolation

T-Curve, S-Curve

3~10 V

ALM. INP

- 2.500 Vpc
- 4 MHz under 4xAB mode Max. Input Frequency

Universal PCI V2.2

- 1 x 100-pin SCSI female connector 175 x 100 mm (6.9" x 3.9")
- Typical: 5 V @ 0.6 A
- Max.: 5 V @ 1 A