

PISO-PS300U

PCI Bus, 3-axis Stepper Motor/Servo Control Card
(Limited Functions and Economical)
(Not Recommended for New Design)

Features

- Universal PCI Bus
- 3-axis pulse command servo motor board
- Embedded CPU
- Max. Pulse Rate: 1 MHz
- 3-axis linear interpolation, circular interpolation
- Programmable trapezoidal speed profile
- Programmable DDA cycle
- Hardware emergency stop
- Drivers for DOS, Windows XP/2000 and Windows 7
- 8 DI, 7 DO channels

Introduction

The **PISO-PS300U** is a 3-axis pulse command, servo motor control board. The embedded CPU of the PISO-PS300U performs the motion commands transferred from a Host PC via a 2 KB FIFO buffer. It also sends the position and status to the Host PC via a second 2 KB FIFO buffer. These buffers provide time buffer and they are very suitable for Windows operating systems. Device drivers and function libraries for DOS, Windows 7 and Windows XP/2000 are provided.

Specifications

Model	PISO-PS300U
Software	
OS Support	Windows 7/XP/2000 32-bit only
SDK	DOS 6.2
Hardware	
Connector	9-pin male and 25-pin female D-Sub
General	
No. of Axe	3
Operation Mode	Semi-closed Loop
Speed Profile	T-curve
Position Control Mode	Incremental mode
Command Type	Pulse Command
Axis I/O	
Servo Interface Output	SVON
Mechanical Switch Input	Home, forward, backward limit, EMG
Encoder Input	
Mode	A/B phase, CW/CCW, PULSE/DIR
Counting Rate	1 MHz (Max.)
Counter Width	32-bit
Pulse Output	
Mode	CW/CCW, PULSE/DIR

Model	PISO-PS300U
Counter Width	32-bit
Rate	1 MHz (Max.)
Interpolation	
Cicular	Any 2 axes
Linear	Any 2 to 3 of 3 axes
Digital Input	
Channels	8
Isolation	2500 Vrms optical isolation
Digital Output	
Channels	7
Isolation	2500 Vrms optical isolation
PC Bus	
Type	Universal PCI bus
Power	
Consumption	+5 V @ 950 mA
Mechanical	
Dimensions (mm)	120.4 mm x 90.8 mm
Environment	
Operating Temperature	0 ~ +60°C
Storage Temperature	-20 ~ +70°C
Humidity	5 ~ 85% RH, Non-condensing

Ordering Information

PISO-PS300U CR	Universal PCI Bus, 3-axis Stepper Motor/Servo Control Card (Limited Functions and Economical) Includes: CA-9-2502 (9-pin Male and 25-pin Female D-Sub Cable, Length 0.2 M) CA-PC09F (9-pin Female D-Sub Connector with Plastic Cover) CA-PC09M (9-pin Male D-Sub Connector with Plastic Cover) CA-PC25M (25-pin Male D-Sub Connector with Plastic Cover)

Accessories

DB-8R	Relay Board for SERVO-300 and PISO-PS300U

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