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ICP Electronics Australia

Features

- ISA bus servo motor control card
- 3-axis high-speed servo motor control card
- V command
- Drivers for DOS and Windows

CE FC

SERVO-300

SA Bus, 3-axis High-speed
Servo Motor Control Card
(V Command)

Introduction

The **SERVO-300** is a 3-axis, command-based servo motor control board. The embedded CPU of the SERVO-300 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.

Software Support

Windows Driver/DLL/Lib	Windows 95/98/ME/NT4.0
DOS Library	DOS 6.2
Labview Development Kit	-
Linux Library	-

Specifications

Model	SERVO-300
General	
Number of Axes	3
Slot Interface	ISA bus
Pulse Output Rate	-
Command Type	Voltage command
Resolution	12-bit +/-10 V
Servo Update Rate	3 ms / 3 axes
Pulse Output Mode	-
Operation Mode	Simulation, closed loop, open loop
Linear Interpolation	Any 2 to 3 of 3 axes
Circular Interpolation	Any 2 axes
Speed Curve Profile	T-curve
Encoder Interface	A/B Phase
Encoder Counter	32-bit
Encoder Counting Rate	1 MHz (Max.)
I/O Isolation	2500 Vrms optical isolation
Connector	9-pin male and 25-pin female D-Sub

Model	SERVO-300
Motion Relative I/O	
Mechanical Switch Input	Home, forward, backward limit, EMG
Servo I/O Interface	Output: SVON
Digital Input	
Digital Input Channels	8
Digital Output	
Digital Output Channels	7
Power	
Power Consumption	+5 V @ 500 mA
Environmental	
Operating Temperature	0 ~ +60°C
Storage Temperature	-20 ~ +80°C
Ambient Relative Humidity	0 ~ 90% RH, non-condensing
Dimensions	120.4 mm * 90.8 mm

Ordering Information

SERVO-300 CR	ISA Bus, 3-axis High-speed Servo Motor Control Card (V Command) Includes: CA-9-2502 (9-pin Male & 25-pin Female D-Sub Cable 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-PS300(U)
DB-200	Encoder Input Board for SERVO-300