





## **■** Features

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





# **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

ICP DAS CO., LTD Vol.2019.05 1/1