

STEP-200

ISA Bus, 2-axis High-speed Stepper Motor Control Card
(Limited Functions and Economical)

Features

- 2-axis independent, simultaneous stepper motor control/servo motor control (Pulse input type)
- Drivers for DOS, Windows 95/98/ME, Windows NT
- Embedded Microprocessor
- Command Type Interface
- Linear and circular interpolation
- Acceleration/deceleration: Automatic trapezoidal acceleration/deceleration
- Output polarity can be programmable
- 5 optical isolated digital inputs per axis for limit switches

Introduction

The **STEP-200** is a 2-axis, command-based stepper motor controller board for IBM PC/XT/AT bus-compatible devices. The board can also be used for pulse-type servo motor control (pulse input type). The board includes a build-in µP that performs a variety of motion control commands and shares the loading of the host computer. A 2 KB FIFO is included as a command buffer, which provides a buffer time of 1360 ms. The hardware architecture of STEP-200 is ideal for the Windows operating system, and drivers for DOS and Windows are provided offering real-time motion control solutions for Windows systems.

Specifications

Model	STEP-200
Software	
OS Support	Windows 95/98/ME/NT4.0
SDK	DOS 6.2
Hardware	
Connector	25-pin D-Sub
General	
No. of Axes	2
Operation Mode	Open loop
Speed Profile	T-curve
Position Control Mode	Incremental mode and absolute mode
Command Type	Pulse command
Axis I/O	
Servo Interface Output	SVON
Mechanical Switch Input	Home, forward, backward limit, EMG
Position Compare Output	10 KHz
Encoder Input	
Ring Counter Mode	32-bit

Model	STEP-200
Pulse Output	
Mode	CW/CCW, PULSE/DIR
Counter Width	32-bit
Rate	250 KHz (Max.)
Digital Input	
Isolation	2500 Vrms optical isolation
Digital Output	
Isolation	2500 Vrms optical isolation
PC Bus	
Type	ISA bus
Power	
Consumption	+5 V @ 500 mA
Environment	
Operating Temperature	0 ~ +50°C
Storage Temperature	-20 ~ +70°C
Humidity	5 ~ 85% RH, Non-condensing

Ordering Information

STEP-200	ISA Bus, 2-axis High-speed Stepper Motor Control Card (Limited Functions and Economical) Includes: Include: CA-PC25M (25-pin Male D-Sub Connector with Plastic Cover)

Accessories

DN-25	25/9 pin D-sub I/O Connector Block (Pitch= 5.08 mm) with DIN-rail Mounting (RoHS) Include: CA-0920 (DB9 Male to DB9 Male Cable [RS-232; Pin1-Pin9], 2M), CA-2520 (DB25 Male to Male, 45º, 2M)

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