

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 μ P 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.

Software Support:

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

Specifications:

Number of Axes	2
Slot Interface	ISA bus
Maximum Pulse Output Rate	250 Kpps
Command Type	Pulse command
Resolution	32-bit
Servo Update Rate	-
Pulse Output Mode	CW/CCW, PULSE/DIR
Operation Mode	Open loop
Linear Interpolation	-
Circular Interpolation	-
Speed Curve Profile	T-curve
Motion Relative I/O	Home, forward, backward limit, EMG
Synchronous Action	-
Ring Counter Mode	32-bit
Position Control Mode	Incremental mode and absolute mode
Position Compare Trigger	10 KHz
Encoder Interface	A/B pulse, Up/Down
Encoder Counter	-
Encoder Rate	-
Digital Input Channels	-
Digital Output Channels	-
I/O Isolation	2500 Vrms optical isolation
Connector	25-pin D-Sub
Power Consumption	+5 V @ 500 mA
Environmental	
Operating Temperature	0 ~ +50°C
Storage Temperature	-20 ~ +70°C
Ambient Relative Humidity	0 ~ 90% RH, non-condensing

Ordering Information/Accessories:

Model No.	Description
STEP-200	ISA Bus, 2-axis High-speed Stepper Motor Control Card (Limited Functions and Economical) Includes: CA-PC25M (25-pin Male D-Sub Connector with Plastic Cover)
DN-25	I/O Connector Block with 25-pin/9-pin D-Sub Connector (DIN-Rail Mounting)