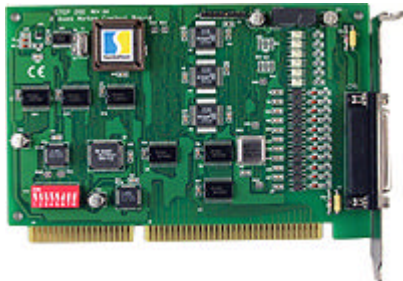# STEP-200

2-AXIS,High-speed stepper Motor Controller

Functional Description

STEPPER-200 is a plug-in, 2-axis, command-based stepper motor controller board for the IBM PC/XT/AT and compatibles. It also can be used in pulse-type servo motor control (pulse input type). This board has an µP build-in . This µP perform variety of motion control commands itself and share the loading of host computer . A 2Kbytes-FIFO is introduced as a command buffer. This buffer can provide 1360ms buffer time. Therefore the hardware architecture of STEP 200 is good for windows operation system. The STEP 200 will provide DOS, Windows 95 and Windows NT driver. It can offer real time motion control solution in windows system.

Features & Specifications

- 2-axis independent, simultaneous stepper motor control / servo motor control (pulse input type)

- Step rate : 1pps~250Kpps

- Max. step count : +/- steps

- DOS, windows 95, windows NT driver

- Embedded Micro-processor

- Command type interface

- linear, circular interpolation

- Acceleration / Deceleration : Automatic trapezoidal acceleration / deceleration

- Output pulse modes : CW/CCW or pulse / direction

- Output polarity can be programmable

- 2500Vrms optical isolated signal output

- 5 optical isolated digital inputs per axis for limit switches

- Power Requirements: +5V   mA typical ,   mA max

Enviromental

- Operating temp range : 0 – 50 ℃

- Storage temp range : -20^{0}C to 70 ℃

- Power Requirements: +5V @ ???mA typical , ??? mA max

- Dimension : 108 mm x 167 mm

Option

DN-25: 25-pin Screw Terminal Board

Software

- Toolkit for Windows DOS
- Toolkit for Windows 95/98

PIN Assignment

Software

Manual

- Toolkit for Windows NT
- Toolkit for Windows 2000/XP
- Toolkit for LabVIEX 95/98
- Toolkit for LabVIEX NT
- Driver for LINUX

Ordering Information

STEP-200	2-Axis Stepper Motor Control Board Include :CA-PC25M(25-pin Male D-sub Connector with Plastic Cover)