PCI-8392 / PCI-8392H

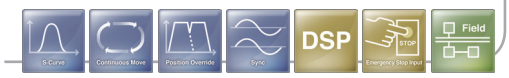
DSP-based 16-axis SSCNET III Motion Controllers



PCI-8392



PCI-8392H



Specifications

Motion Control	Cycle time: 0.888 ms for 16 axes
	Maximum number of controllable axes: Up to 16
	Maximum number of cards in one system: 12
	Connection: Via FB1 with fiber
Emgergency Control (EMG1)	Normal close
	Stop controlling once the EMG to be open
LED Indicator (LED)	Red & green light to indicate the communication status of SSCNET III and HSL bus
Board ID Selection	DIP switch selection
	ID is available from 0 to 15
HSL bus	Only available for PCI-8392H version
	For HSL bus, please refer to Chapter 7, Distributed I/O Section
General Specifications	Operating Temperature: °C to +50°C (32°F to 122°F)
	Storage Temperature: -20°C to +80°C (-4°F to 176°F)
	Humidity: 5% to 85%, non-condensing

Board Features

- Servo Interface: SSCNET 3 protocol
- Controllable axes up to 16 axes
- High speed network communication bus up to 50 Mbps
- Servo update rate: 0.888 ms for 16 axes
- Fiber cable connection ensure the best communication quality
- Easy wiring up to 50 meters between servo drivers (POF/HPCF fiber cable)
- 32-bit position command resolution

Function Features

- No command frequency limitation
- Runtime data sampling for motion analysis
- On-line servo tuning and full servo parameter management
- High speed servo information logging
- Excellent performance in axis synchronous control
- Programmable acceleration rate for T/S-curve profile
- Any 4 axes linear interpolation positioning
- Any 2 axes circular interpolation positioning velocity moving function
- Jogging function
- Absolute positioning system
- Speed override and position override function
- Programmable interrupt events
- Board ID switch selection from 0 to 15
- Watch dog timer for safety
- External emergency input pin (jumper selected)
- One HSL bus is available for PCI-8392H
- Supports up to 16 boards in one system

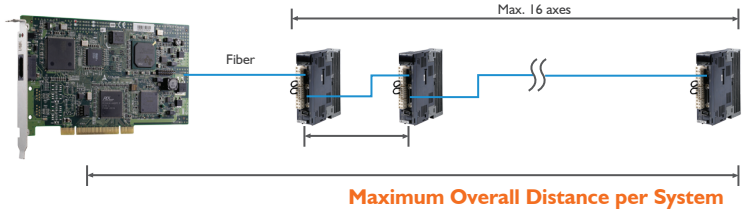
Software Support

- OS Information
  - Windows® 8/7/XP
- Software Compatibility
  - VB/VC++/BCB/Delphi
  - Various sample programs with source codes
- Software Recommendations
  - MotionCreatorPro2

PCI-8392 / PCI-8392H Features

Long-distance Wiring

The cable length per system can be extended for long-distance wiring with PCI-8392 / PCI-8392H

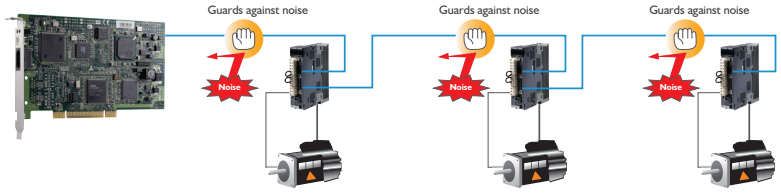


Maximum Overall Distance per System

- **Standard Cables: 320 m (20 m x 16 axes)**
- **Long-distance Cables: 800 m (50 m x 16 axes)**

Improve Noise Resistance

The optical fiber cables used for PCI-8392/ PCI-8392H dramatically improve the resistance against noise which enters from the power cable or external devices.



Source: Adapted from Mitsubishi Electric Corporation

Ordering Information

- **PCI-8392**
  DSP-based 16-axis SSCNET III motion controller
- **PCI-8392H**
  DSP-based 16-axis SSCNET III motion controller with HSL

Accessories

For more information on terminal boards & cables, please refer to page 6-31.

Terminal Board

- DIN-839-J3B0
  Terminal board for Mitsubishi MR-J3B/J4B servo amplifiers

Cabling

- MR-J3BUS M
  SSCNET III fiber cable
- MR-J2HBUS M
  Controller to amplifier bus cable

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