

PCIe-MN200

PCI Express Bus, Dual-line Motionnet Motion Control Module (For Distributed Motion & I/O Control)

Features

- Maximum Communication Speed: 20 Mbps
- Distributed motion control up to 128 axes
- Distributed I/O points up to 4096 points
- Easy connection using RJ-45 phone jack connector
- Parallel I/O Ports: 8 Input and 4 Output channels
- Optional quadrature encoder input for linear scale or manual pulse generator input

Introduction

The PCIe-MN200 is a Motion Control Module that provides two Motionnet serial communication lines for distributed motion and I/O control in machine automation applications. The Master card can be used to connect up to 128 Slave modules (64 x 2 lines). If one of the Motionnet lines is only used for I/O control, it can send/receive signals to/from 2048 points on 64 local devices within 0.97 msec. When it is used to control motors, it can control up to 64 axes, which can be used to execute continuous positioning motion, zero return, and even multi-axis interpolation operations. In addition to serial communication, the PCIe-MN200 is also equipped with parallel I/O ports (8 input channels and 4 output channels) for rapid and instinctive I/O control.

Specifications

Model	PCIe-MN200
Software	
OS Support	Windows 11 64-bit Windows 7/10 32/64-bit Windows XP/2000 32-bit
Development	VC/VB/BCB
Utility	EzGo Utility
Hardware	
Connector	HD D-Sub 15-pin x 1
LED Indicators	
Status	Connection (green)
	Communication Error (red)
General	
Interrupts	Input Change of State, Communication Error
Digital Input	
Channels	8
Type	12-24 V, NPN or PNP
Isolation	3000 Vrms
Input Impedance	4.7 KΩ
Digital Output	
Channels	4
Type	NPN or PNP
Isolation	3000 Vrms

Model	PCIe-MN200
PC Bus	
Type	PCI Express x1
Motionnet	
Communication Connectors	RJ-45 x 2
Transfer Speed	2.5, 5, 10, 20 Mbps (Software controlled)
Length	Max. 100 M (20 Mbps; 32 Slave modules)
	Max. 50 M (20 Mbps; 64 Slave modules)
	Max. 100 M (10 Mbps; 64 Slave modules)
Protocol	Motionnet (Half-duplex RS-485)
Power	
Consumption	+3.3 V @ 600 mA
Environment	
Operating Temperature	0 ~ +60 °C
Storage Temperature	-20 ~ +80 °C
Humidity	5 ~ 85% RH, Non-condensing

Ordering Information

PCIe-MN200 CR	PCI Express Bus, Dual-line Motionnet Motion Control Module with RJ-45 (RoHS)

Related Products

PISO-MN200(T/EC) CR	PCI Bus, Dual-line Motionnet Master Card (RoHS)
MN-SERVO-xxx(-EC) Series CR	Distributed Motionnet Single-axis Motion Control Modules (-MJ3 / -PA4 / -YSV / -DAA) (RoHS)
MN-2091U(-T) CR	Distributed Motionnet Single-axis Universal Motion Control Module (RoHS)
MN-MP4U-DIN CR	Distributed Motionnet Four-axis Universal Motion Control Module (RoHS)
MN-HUB4(EC) CR	Distributed Motionnet 4 Port Hub Module (RoHS)

MN-3254(T) CR MN-D622-DIN CR	Distributed Motionnet 16-ch Isolated DI, 16-ch Isolated DO Module (RoHS)
MN-3253(T) CR MN-D640-DIN CR	Distributed Motionnet 32-ch Isolated DI Module (RoHS)
MN-3257(T) CR MN-D604-DIN CR	Distributed Motionnet 32-ch Isolated DO Module (RoHS)
MN-AD8-DIN CR	Distributed Motionnet 8-ch Analog Input Module (RoHS)
MN-DA2-DIN CR	Distributed Motionnet 2-ch Analog Output Module (RoHS)

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