

PISO-MN200

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, removable terminal block, or Mini-Clamp connector
- Parallel I/O Ports: 8 Input and 4 Output channels
- Optional quadrature encoder input for linear scale or manual pulse generator input

PISO-MN200T/PISO-MN200EC

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

Introduction

The PISO-MN200(T/EC) is a PCI Master card 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 PISO-MN200(T/EC) is also equipped with parallel I/O ports (8 input channels and 4 output channels) for rapid and instinctive I/O control.

Specifications

Model	PISO-MN200	PISO-MN200T	PISO-MN200EC
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		

Model	PISO-MN200	PISO-MN200T	PISO-MN200EC
Type	NPN or PNP		
Isolation	3000 Vrms		
PC Bus			
Type	32-bit/33 MHz universal PCI-Bus		
Motionnet			
Communication Connectors	RJ-45 x 2	5-pin terminal block	Mini-Clamp connector 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	+5 V @ 500 mA		
Environment			
Operating Temperature	0 ~ +60 °C		
Storage Temperature	-20 ~ +80 °C		
Humidity	5 ~ 85% RH, Non-condensing		

Ordering Information

PISO-MN200 CR	PCI Bus, Dual-line Motionnet Master Card with RJ-45 Connector(RoHS)
PISO-MN200T CR	PCI Bus, Dual-line Motionnet Master Card with Terminal Block (RoHS)
PISO-MN200EC CR	PCI Bus, Dual-Line Motionnet Master Card with Mini-Clamp connector (RoHS)

Related Products

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-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)
MN-HUB4(EC) CR	Distributed Motionnet 4 Port Hub Module (RoHS)

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