

PISO-MN200

PCI Bus, Dual-Line Motionnet Master Card 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 connect with RJ-45 phone jack
- Parallel I/O ports: 8 inputs and 4 outputs

Introduction:

The PISO-MN200 is a PCI master card which offers two Motionnet serial communication lines for distributed motion and I/O control in machine automation applications.

The master card can connect up to $64 \times 2 = 128$ slave modules. If one of the Motionnet line is only used for I/O control, it can send and receive signals for 2048 points on 64 local devices in 0.97msec. When it is used to control motors, it can control up to 64 axes, and they can execute continuous positioning motion, zero return and even multi-axes interpolation operations. In addition to serial communication, The PISO-MN200 is also equipped with parallel I/O port (8 inputs and 4 outputs) for rapid and instinctive I/O control.

Specifications :

BUS	32-bit/33MHz universal PCI-Bus
Communication Speed	2.5M, 5M, 10M, 20Mbps (Software control)
Interface	Half duplex RS-485
Communication 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)
Connectors	RJ45 x2, HD D-Sub 15 pin x 1
Parallel I/O	Digital input: 8-Ch Photo-coupler Isolated(12-24V) Digital output: 4-Ch Photo-coupler Isolated(open collector)
LED Diagnostic	Connection(green) Communication Error(red)
Interrupt	Input Change of State Communication Error
Operating Temp.	0 ~ + 60°C
Storage Temp.	-20 ~ +80°C
Operating Humidity	10 ~ 85% · non-condensing
Storage Humidity	5 ~ 95% · non-condensing

Software Features:

Windows Dirver/DLL/Lib	Windows XP/Vista/7 32-bit
Programming Tools	VC/VB/BCB
Labview Development Kit	-
Linux Library	-

Ordering Information/Accessories:

Model No.	Product Description
PISO-MN200	PCI Bus, Dual-Line Motionnet Master Card
MN-SERVO Series	Distributed Motionnet Single-axis Motion Control Modules
MN-3254	Distributed Motionnet 16 Input, 16 Output I/O Module
MN-3253	Distributed Motionnet 32 Inputs Module
MN-3257	Distributed Motionnet 32 Outputs Module