Making Data Acquisition Easy

Motionnet Solutions – Motion Control Modules

PISO-MN200

Support Servo Driver & Stepper Driver

Servo Driver or Stepper Driver

MN-2091U

MN-3254: 16 DI/ 16 DO
MN-3253: 32 DI
MN-3257: 32 DO

Delta
ASDA-A/A2

MN-SERVO-DAA

Teco
TSTA-A/A+

MN-SERVO-TTA

Mitsubishi
J3/J4

MN-SERVO-MJ3

Panasonic
MINAS A4/A5

MN-SERVO-PA4

Yaskawa
Sigma II/III/V

MN-SERVO-YSV
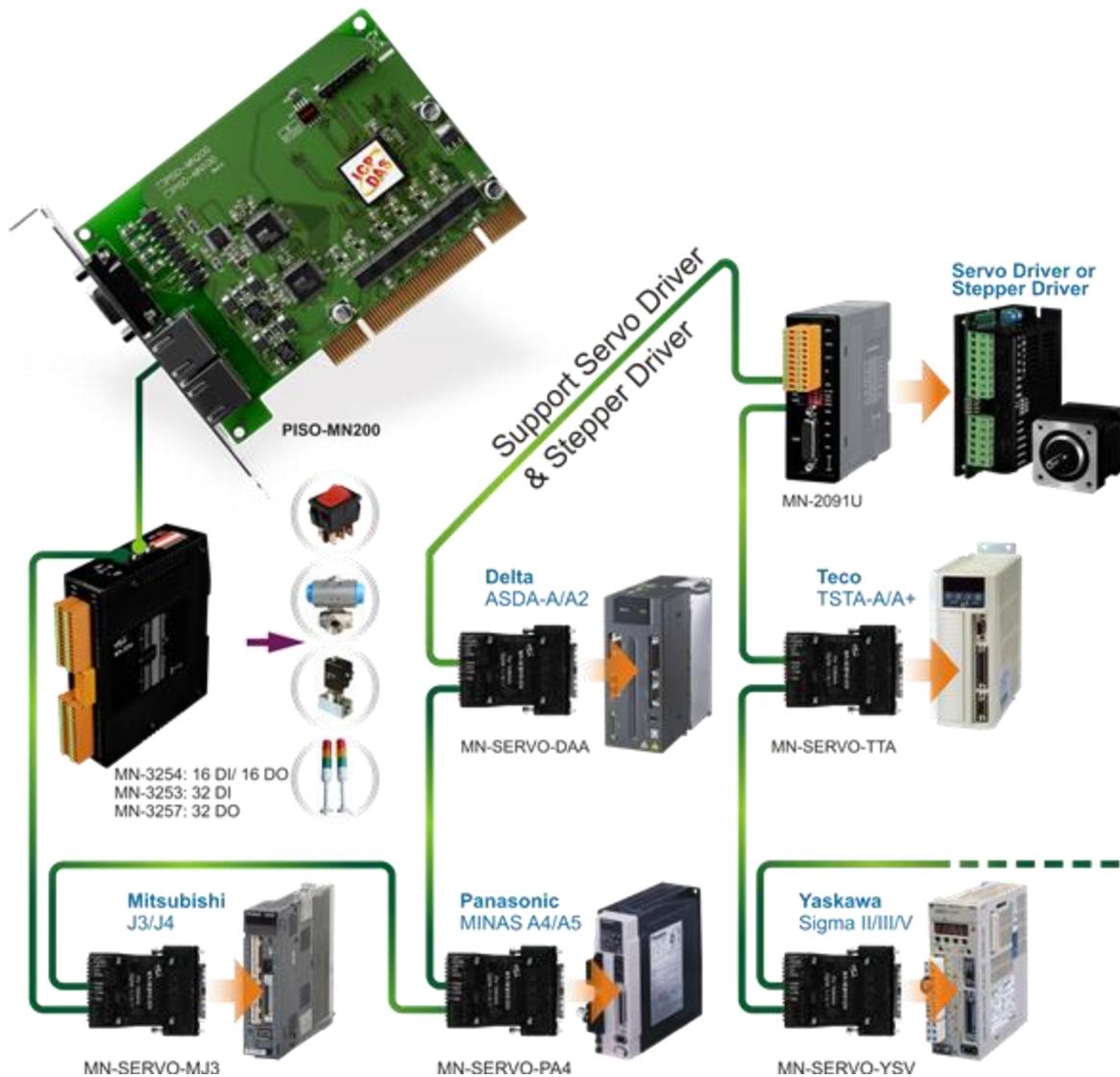
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Motionnet is a high-speed serial communication system that includes a Master card and Slave modules. ICP DAS provides two categories of Slaves: the first is used for Digital I/O, and the other is used for motion control. There are 3 main types of digital I/O modules: 32-ch Input, 32-ch Output and 16-ch Input/Output. Using these Slave devices, customers' actuators/sensors can easily be directly connected. Motion control modules can be used together with either a Servo motor or a Stepping motor from a variety of vendors.

Motionnet communication between a Master and the Slaves is based on a proprietary RS-485 technology (Multi-drop, Half-duplex) and provides the advantage of reduced wiring requirements together with the capability of long-distance and high-speed communication. Data transfer for the I/O modules is cyclical and time deterministic, so can be widely used for industrial automation applications.

MN-SERVO-MJ3/MN-SERVO-PA4/MN-SERVO-YSV/ MN-SERVO-DAA/MN-SERVO-TTA

The MN-SERVO series is used to expand the number of axes for distributed motion control in Motionnet fi eld bus. These extension slave modules can be directly plugged into the servo driver and being connected serially to the controller by a simple and affordable Cat.5 LAN cable, reducing the wiring effort between drivers and controller. This is very suitable for highly integrated machine automation applications.

After the module is plugged into the servo driver, all you need to do is make the serial LAN cable connect between the modules. One serial line can support up to 64 single-axis modules. ICP DAS provides a variety of motion control modules suitable for a range of brands of servo drivers, such as Mitsubishi MELSERVO-J3/J4, Yaskawa Sigma II/III/V, Panasonic MINAS A4/A5, Delta ASDA-A/A2 and Teco TSTA-A/A+.

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MN-SERVO-MJ3-EC/MN-SERVO-PA4-EC/MN-SERVO-YSV-EC/MN-SERVO-DAA-EC/MN-SERVO-TTA-EC

The **MN-SERVO-xxx-EC series** is used to expand the number of axes for distributed motion control on a Motionnet field bus. These extension slave modules can be directly connect to the servo driver and are serially connected to the controller using a simple and affordable Cat.5 LAN cable, reducing the amount of wiring required between the drivers and the controller, making this a highly suitable solution for integrated machine automation applications.

After the module is connected to the servo driver, all you need to do is connect a serial LAN cable between the modules. One serial line can support up to 64 single-axis modules. ICP DAS provides a variety of motion control modules suitable for a range of brands of servo drivers, such as Mitsubishi MELSERVO-J3/J4, Yaskawa Sigma II/III/V, Panasonic MINAS A4/A5, Delta ASDA-A/A2 and Teco TSTA-A/A+.

If you have other Motionnet module requirements or have some questions, we can certainly help you to choose the best solution. Please call our technical support team at (310) 517-9888 X102