

4. Remote Motion Solutions

Remote Motion Solutions



Vertical Market Focus:

Wafer Inspection, PCB Inspection, Plastic Surface Inspection, Drapery Inspection



Dispensing



PCB Inspection



Drilling



Flying Shear

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Overview:

Wherever motion control solutions are required, ICP DAS provides a range of remote solutions that help users control and configure their motion I/O needs at remote sites, including PC, PLC, SCADA, etc. solutions. Currently, ICP DAS provides options for Ethernet, Motionnet and CANopen, etc. remote motion controls.

- **Ethernet Solutions: Ethernet Remote Motion Control**

ICP DAS provides Ethernet interface control based on the Modbus TCP protocol. As long as the remote sites with Modbus TCP client function, they can all be upgraded to have the capability of advanced motion control. In addition, ICP DAS also offers Ethernet security protection to prevent unauthorized access by other devices.

- **Motionnet Solutions: Motionnet Remote Motion Control**

Motionnet is a high-speed serial communication system that includes 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 using these Slave devices, 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.

- **CANopen Solutions: CANopen Remote Motion Control**

The CAN (Controller Area Network) bus is one of the safest industrial network systems, and ICP DAS now provides a motion control library (CiA 402) for CANopen Master products meaning that users can now integrate motion control systems into a CANopen network.

Remote Motion Solutions Product List:

Ethernet Solutions	ET-M8194H	Ethernet Remote Unit with High-speed 4-axis Motion Module
Motionnet Solutions	PISO-MN200(T)	PCI bus, Dual-line Motionnet Control Master Card
	MN-SERVO-xxx(-EC) Series	Distributed Motionnet Single-axis Motion Control Modules
	MN-2091U(-T)	Distributed Motionnet Single-axis Universal Motion Control Module
	MN-3254/3253/3257(T)	Distributed Motionnet Isolated DI/DO Modules
CANopen Solutions	PISO-CPM100U	CANopen PCI Master Cards
	I-7565-CPM	CANopen Converter
	I-8123W	CANopen Master Module
	CAN-8x23 & CAN-2000C Series	CANopen Remote I/O Expansion Unit & Remote I/O Modules

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