

1. Overview

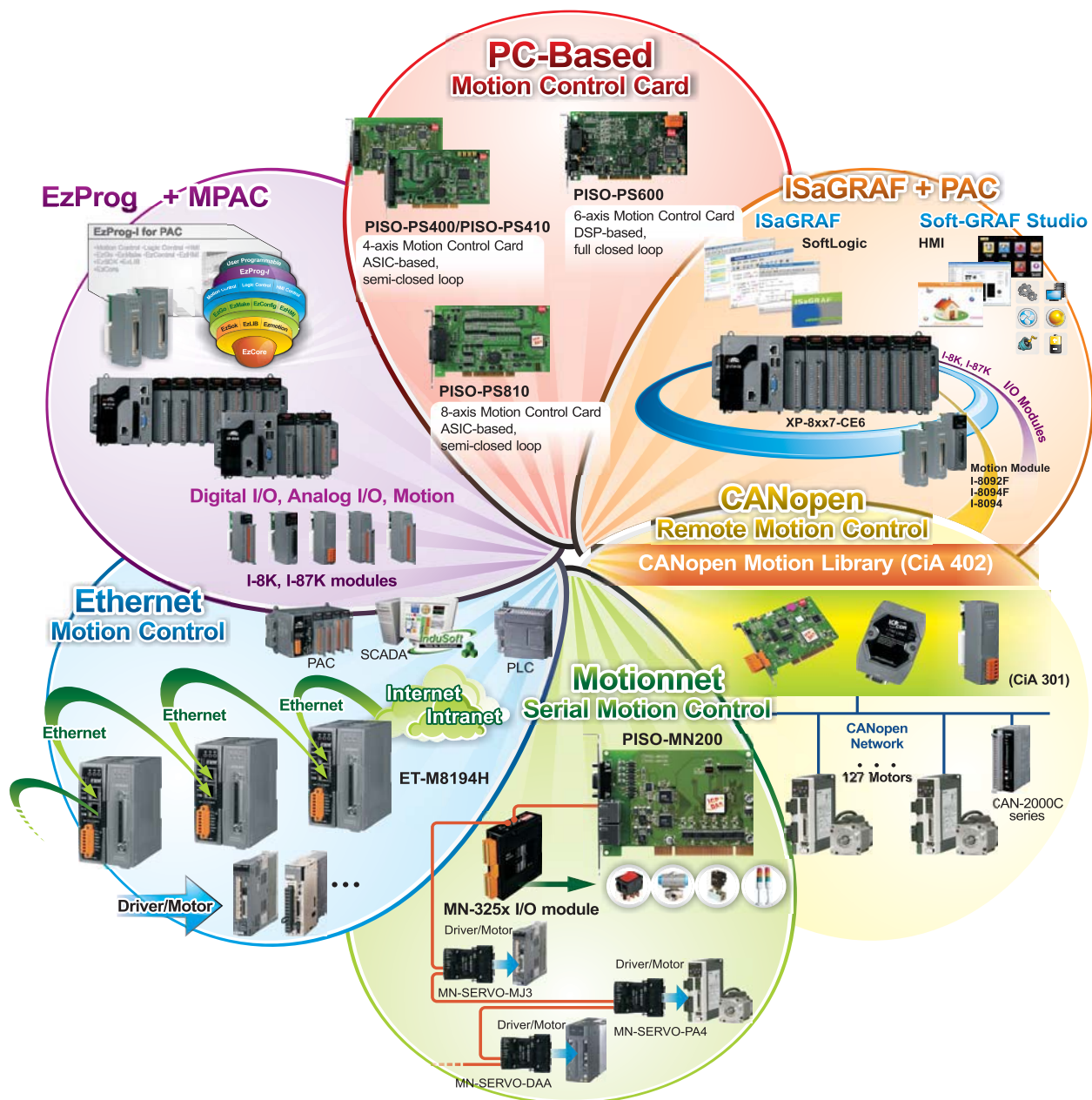
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Overview

Total Solutions for Machine Automation

Total Solutions

As a leading automation solutions provider, ICP DAS provides a wide range of motion solutions for machine automation systems, including PAC solutions MPAC and ISaGRAF XPAC products based on a variety of development software such as EzProg and ISaGRAF for PAC motion control systems, PC-based solutions developed using PCI/ISA bus motion control products for PC-based motion control systems, and remote motion solutions using Ethernet, Motionnet or CANopen motion control products for remote motion control systems.



• PAC Solutions

1. EzProg + MPAC Motion Control Solutions

By using EzProg-I development software, Machine automation PAC controllers (MPAC Series) are truly better alternatives to much traditional PLCs, allowing the integration motion control much more effectively than a PLC-based system. In the field of machine automation, there are a lot of applications requiring to combine together motion control and logic control. The EzProg + MPAC Motion Control Solution from ICP DAS is one of the best choices available.



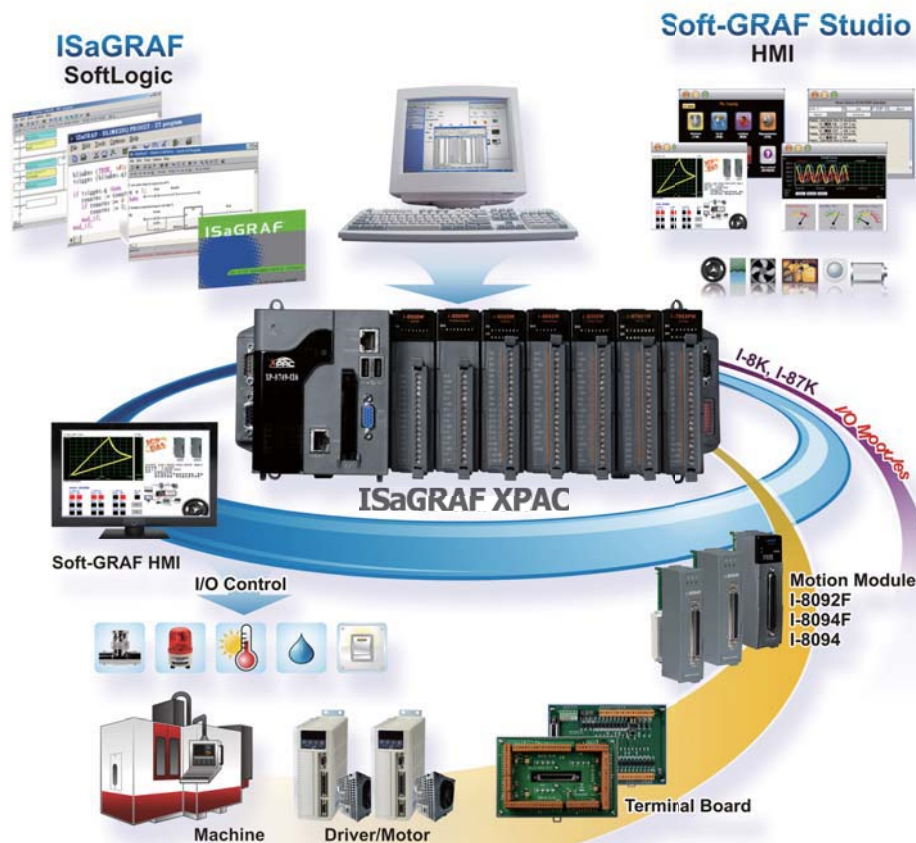
2. ISaGRAF + XPAC Motion Control Solutions

As a pioneer of PAC, ICP DAS provides a new PAC motion control solution - ISaGRAF + XPAC Motion Control Solution. Integrating with the ISaGRAF development software and the Soft-GRAF HMI, the XPAC series plus the I-8094F/8094/8092F motion control solution allows users to easily design and implement a professional and user-friendly system with effective integration of motion controls, logic controls and I/O device controls.

Digital I/O, Analog I/O, Motion

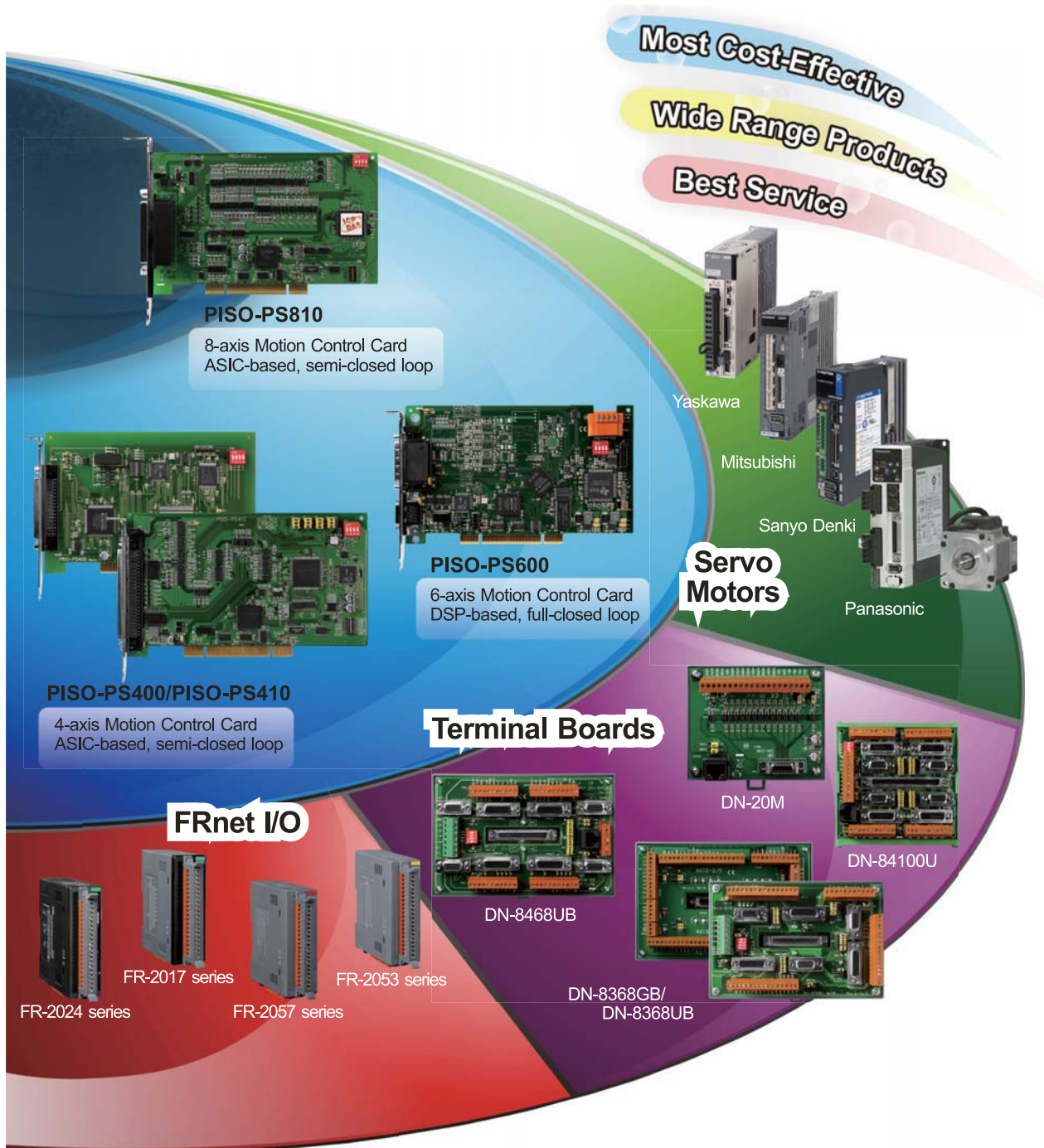


I-8K, I-87K modules



• PC-based Solutions

As a leading automation solutions provider, ICP DAS not only provides PAC motion control modules for use with our own PAC systems, but also develops a wide range of PCI bus and ISA bus motion control products for PC-based control systems.

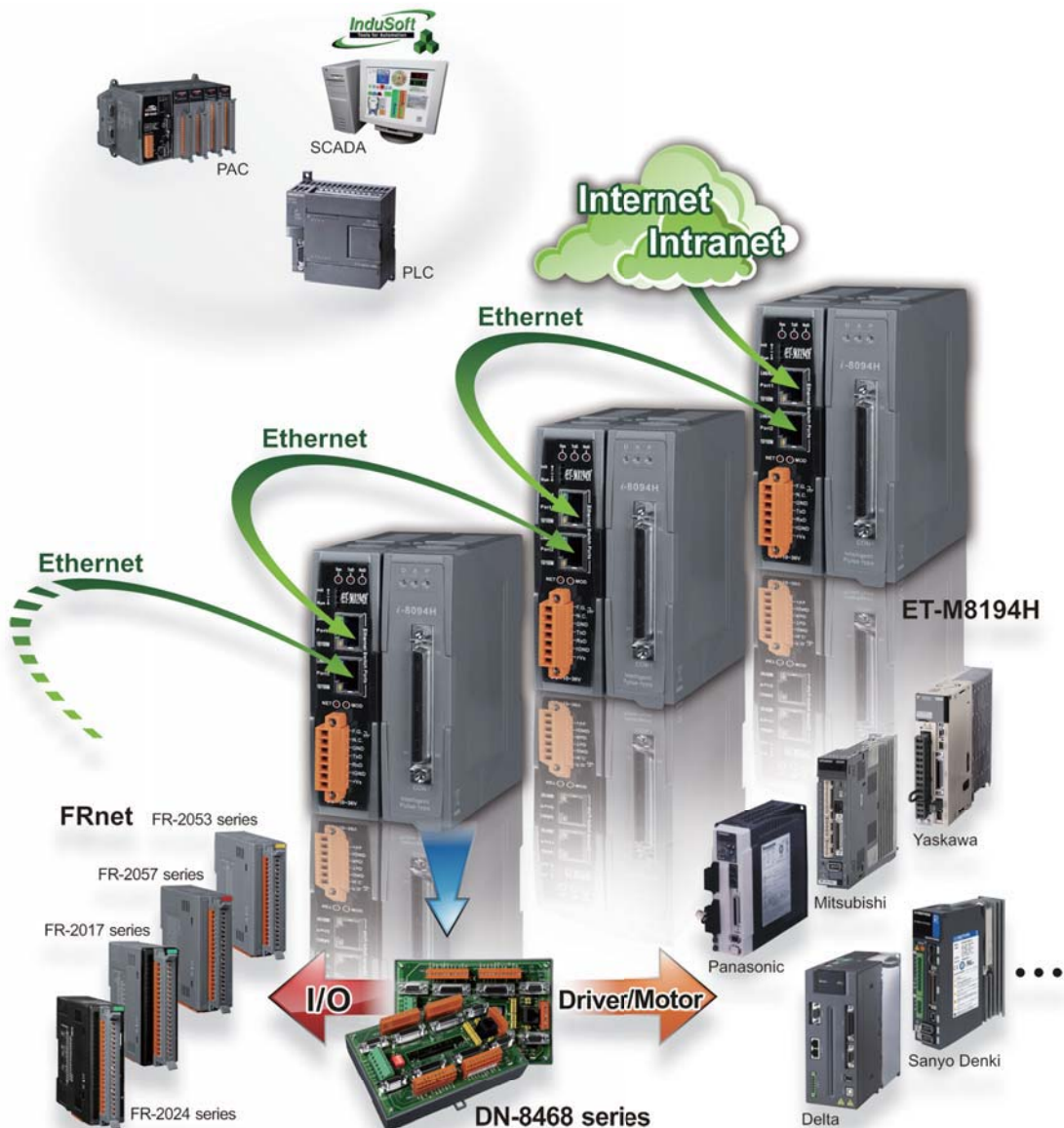


• Remote Motion Solutions

ICP DAS provides a range of remote motion control solutions that allows motion control anywhere at any time.

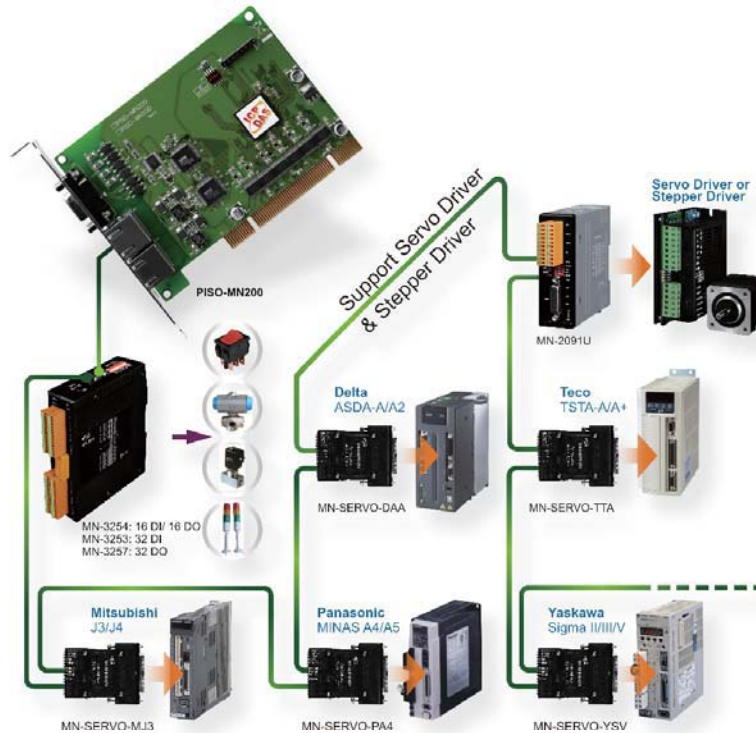
1. Ethernet Remote Motion Solutions

The Ethernet motion solution uses the ET-M8194H Ethernet Motion Control Unit to control and configure a motion card, such as the I-8094H for example, at the remote site (PC-, PLC- or SCADA-based systems) via an Ethernet interface using the Modbus TCP protocol to create a motion automation control system.



2. Motionnet Remote Motion Solutions

The **Motionnet motion solutions** provide a high-speed serial communication system that operates with either a Servo motor or a Stepping motor. Motionnet communication is based on a proprietary RS-485 technology (Multi-drop, Half-duplex) that allows considerable savings in wiring requirements, provides effective long-distance high-speed communication.



3. CANopen Remote Motion Solutions

The **CANopen motion solutions integrate** a motion control system with a CANopen network using the CANopen Master devices. Users are able to control CANopen motors and remote I/O devices located on the same network, making wiring connections and control both easy and more efficient.

