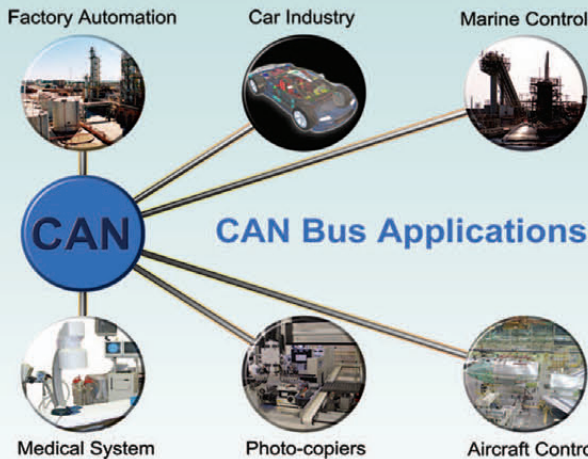
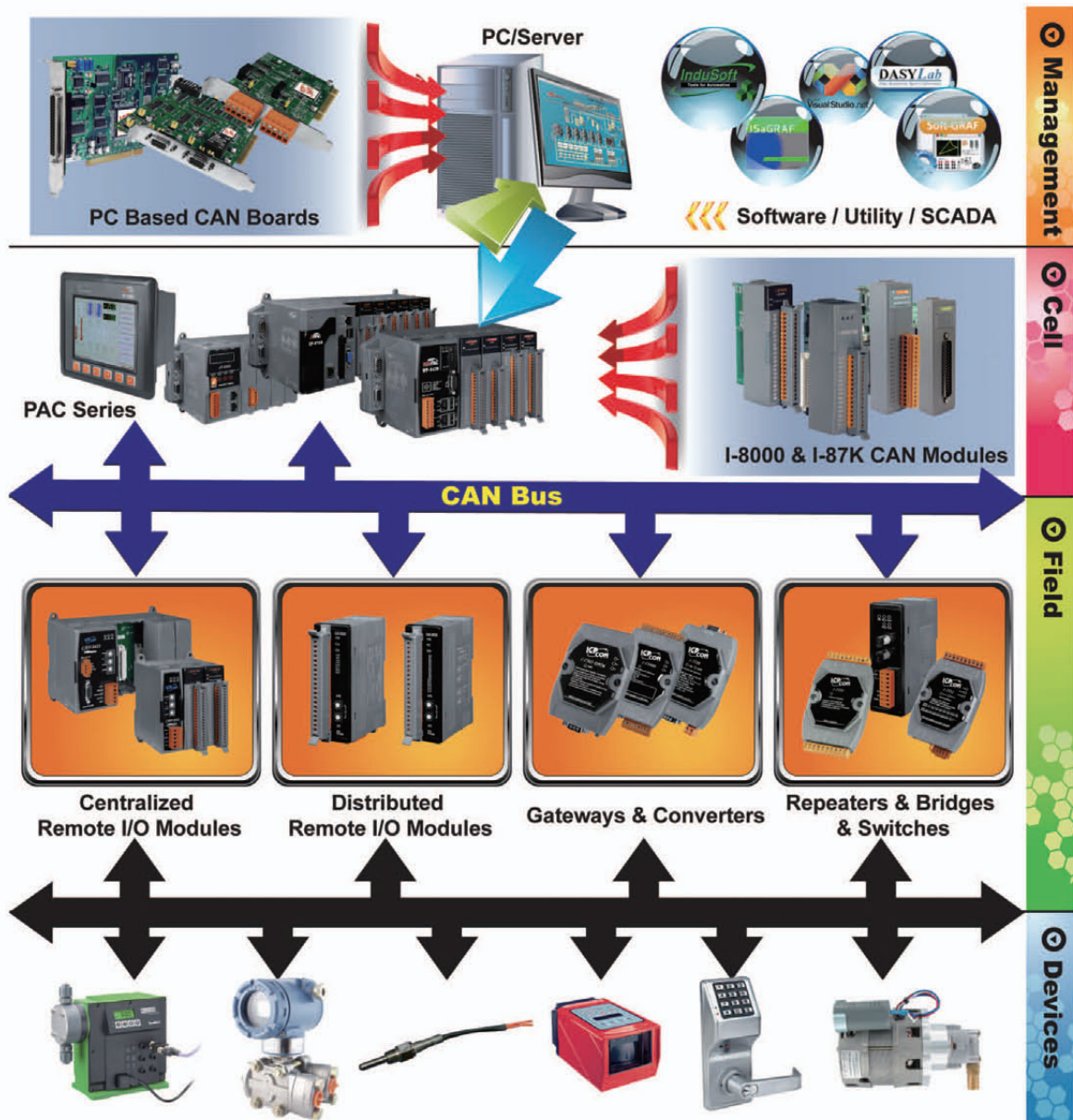


CAN Bus Total Solutions



ICP DAS has been developing rich CAN-based / DeviceNet / CANopen / J1939 products for several years, include PCI interface card, field bus converter, PAC, gateway, and remote I/O module. We provide complete hardware solutions to satisfy various CAN-based applications. It can effectively solve the problems in data acquisition and calculation, working distance extension, network topology limitation, communication interface transformation, and noise resistance. Moreover, a lot of software resource, such as utility tools, APIs, demo programs, OPC, ActiveX

and third-party drivers, help users build their complex control and monitor system more easily and quickly. In some special applications, we also offer flexible OEM / ODM projects to match the customers' different requirements. Through fast and good services, you can finish your tough CAN-based projects easily.



CAN Bus

Chapter 1

The Controller Area Network (CAN) is a serial communication interface. It provides several mechanisms, such as error process mechanism, message priority, CRC check, etc., to guarantee the stability, reliability and transmission efficiency. Because of these features, you can see a lot of devices used in industrial control, automation applications, marine electronic devices, factory automation, and machine automation. No matter what kinds of applications and requirements you need, ICP DAS can provide the integral and complete CAN bus solutions to solve your problems.



CANopen

Chapter 2

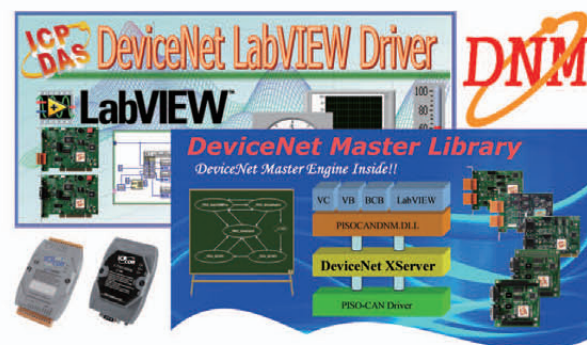
CANopen is a kind of CAN-based application layer protocols. It was developed as a standardized embedded network with highly flexible configuration capabilities. It is widely used all over the world, and has successfully applied in many fields, such as medical equipment, machine automation, off-road vehicles, public transportation, motion control, etc. In these applications, we provide the CANopen remote I/O modules, various CANopen master interfaces, and the communication gateways between the CANopen protocol and another fieldbus protocol.



DeviceNet

Chapter 3

The DeviceNet network is a flexible open and low-cost option which you can use to connect industrial devices to a network and eliminate costly and time-consuming hardwiring. Direct connectivity improves communication and provides device-level diagnostics or easy access through hardware I/O interfaces. ICP DAS has supplied a lot of remote I/O modules, master interfaces, gateways and software utility tools in this field. These products are usually applied in semi-conductor automation, machine automation, and factory automation.



J1939

Chapter 4

Originally, the J1939-based protocol, a kind of CAN-based application layer protocols, is the vehicle bus standard used for communication and diagnostics among vehicle components. Afterwards, it has gradually become the accepted industry standard and the vehicle network technology of choice for off-highway machines in applications such as construction, material handling, and forestry machines. The J1939 Modbus gateway from ICP DAS can economically help you to obtain the J1939 data on the SCADA software. More J1939 related products are coming soon.

