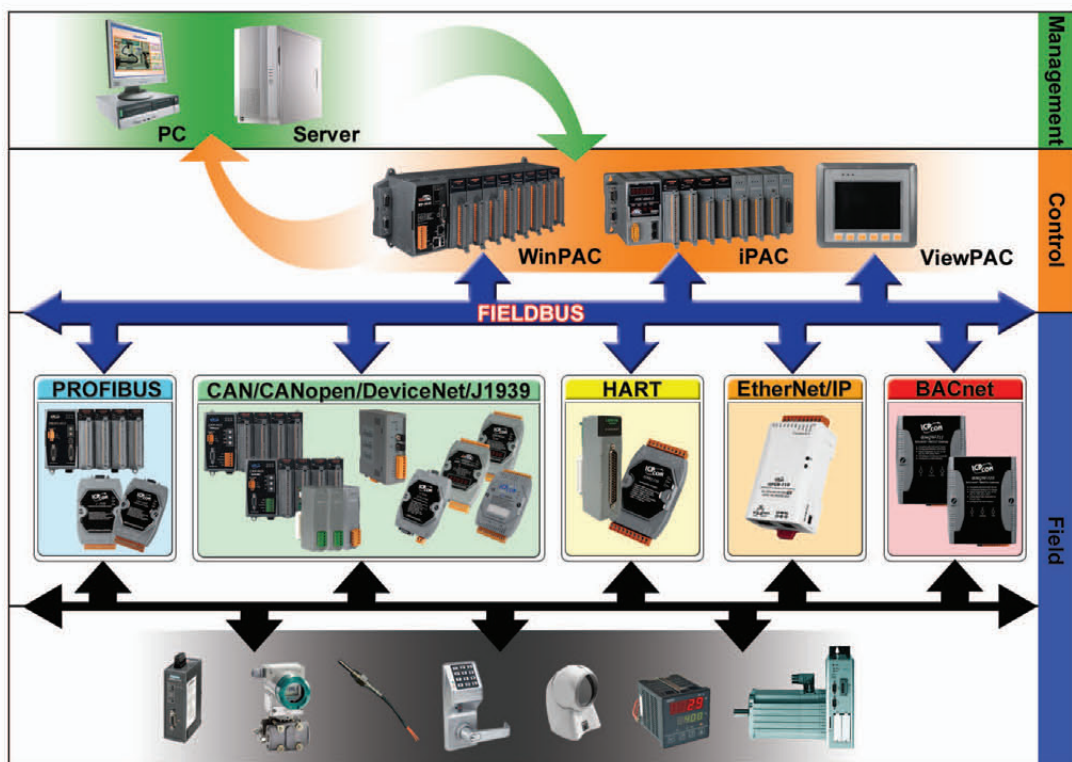


1. Overview

Fieldbus Solutions

Fieldbus is known as a family of industrial network protocol for real-time distributed control. An automated industrial system usually needs Fieldbus solutions to overcome the connection problems among all of the components such as controllers, sensors, and actuators. Fieldbus works on a network structure which typically allows daisy-chain, star, ring, branch, and tree network topologies with many major advantages to all applications of automation.

In order to provide various solutions of Fieldbus, ICP DAS has devoted a lot of resource for many years to develop the Fieldbus products with different protocols. Beside the Modbus TCP, Modbus RTU and Modbus ASCII, these products comprehensively cover majority of industrial communication protocols for process and factory automations. They are shown below.

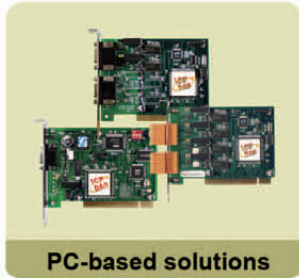


Moreover, we also provide the great diversity of PACs with different size and features. These powerful PACs give a way to assemble private protocols based on RS-232, RS-485, industrial Ethernet, CAN bus, Wi-Fi, 2.5G and 3G interfaces. Through them, it is possible to integrate various communication protocols in one controller, and to construct an multi-function automation system becomes more easily and quickly.

The Best Choice

Solutions for various Fieldbus applications:

ICP DAS provides a lot of converters, gateway, PC-based, and PAC solutions for rich communication protocols. You can get the proper solutions depending on the application field. In any case, we completely offer the total solutions for various systems.



PC-based solutions



PAC solutions



Converter solutions



Gateway solutions







Remote I/O solutions






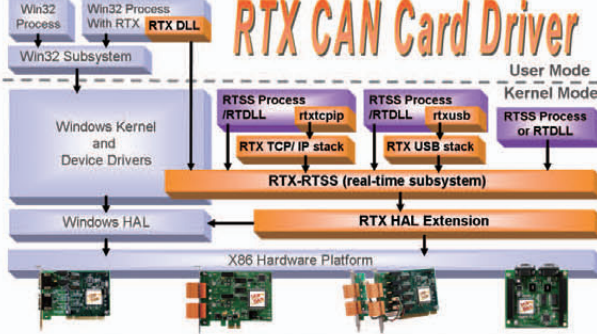

SBC solutions

Friendly software and tools

ICP DAS has developed various friendly and convenient library and development tools in VB, VC, BCB and Delphi, VB.Net, C#.Net for users to develop their applications by these Fieldbus products. For SCADA software, we also provide InduSoft, LabVIEW, DASyLab drivers. In real time application, the RTX driver is useful. These rich tools help you to establish or debug the system more efficiently.

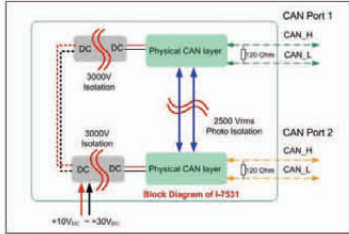




Overview

High protection hardware design

In order to against the harsh environment, many protections are built-in the hardware such as galvanic isolation, photo isolation, power reverse polarity protection, over-voltage brown-out protection, EMI, ESD, EFT, surge, and so forth. Meanwhile, all products of ICPDAS pass CE and FCC.



DIN-Rail Mounting



ODM and Technology Service

ICP DAS has focused on Fieldbus products for several years and has been accumulating the rich development experience on Fieldbus applications. We also have announced various Fieldbus projects for different applications. For the software and hardware, we always provide the best to our customers.



ODM & Best Service

Good in Harsh Environment

Products by ICP DAS can be operated in a wide range of temperature & humidity, which provides high reliability.



RoHS and WEEE Directive

ICP DAS supports customers by providing RoHS compliant products for many existing products together with new products. However in some OEM cases outside the scope of the RoHS Directive, we will also maintain normal supplies of lead-based products for customers who place their electrical and electronic equipment onto the market without EU. ICP DAS identifies lead-free RoHS compliant products by using a unique part number and by adding a CR to the product name.

