Remote I/O Modules and I/O Expansion Units

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1.1. Overview

ICP DAS launches a series of remote I/O modules and I/O expansion units for industrial monitoring and controlling applications. The I/O modules are highly flexible and compatible , thus reduce your I/O modules inventory. Furthermore,various communication interfaces, such as **RS-485, Ethernet, EtherCAT, EtherNet/IP, Profinet, FRnet, CAN bus, Profibus and Hart** are available for PAC, PC and PLC.

More than 300 modules for choice
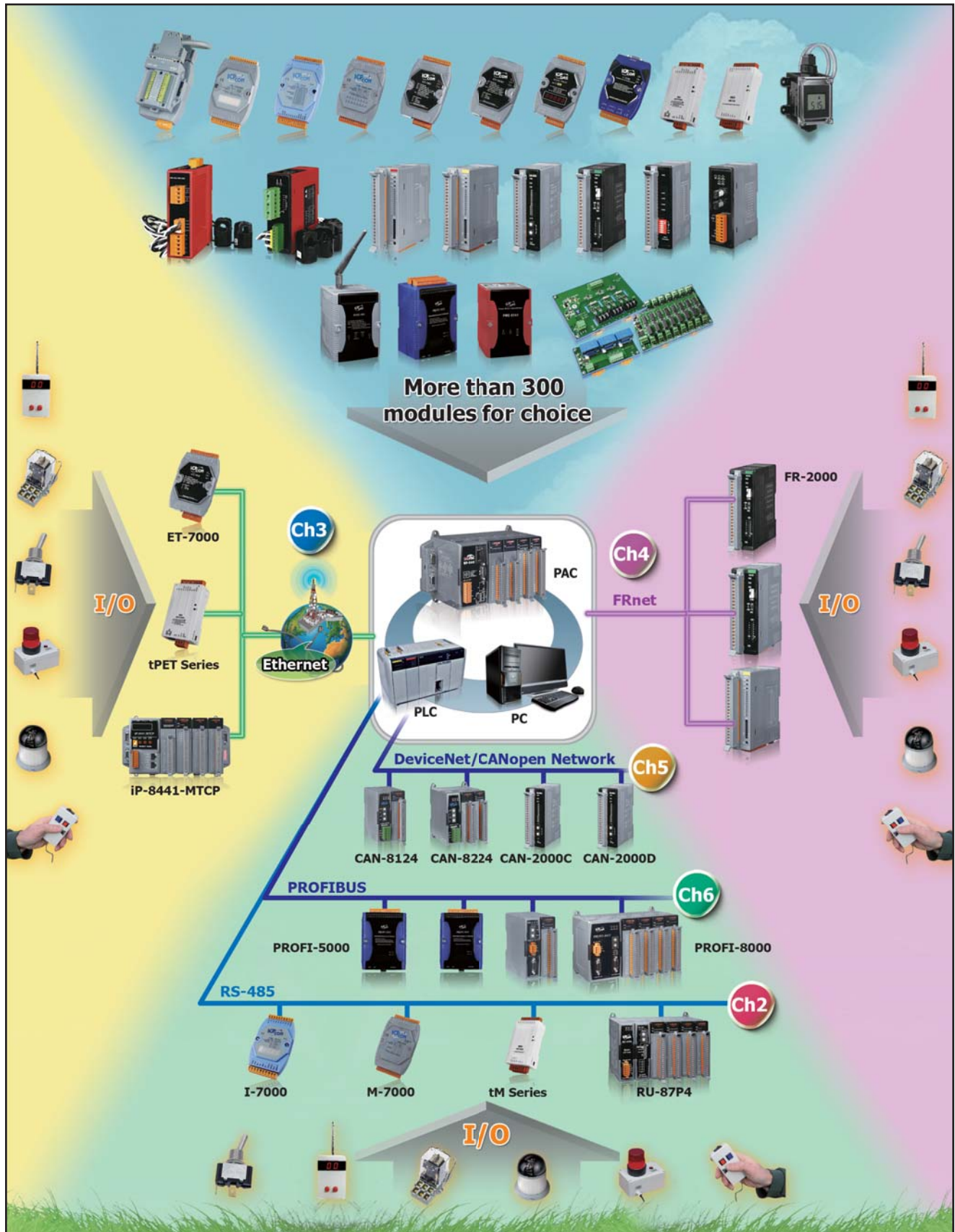
1.2. Related PAC

The PAC family of ICP DAS is a modular network-based PAC with the capablity of connecting I/O either through its own dual backplane bus or alternatively through remote I/O units and remote I/O modules. This new exciting PAC family offers a flexible, versatile and economical solution to a wide range of applications from data acquisition, process control, test and measurement, motion control to energy and building management. Our PAC family includes XPAC, WinPAC, ViewPAC, LinPAC, iPAC, ViewPAC, Motion PAC and µPAC for different requirements in OS, CPU and development platform.

Compact PAC	XP-8000-Atom	XP-8000-Atom-CE6	XP-8000	XP-8000-CE6	WP-8000	iP-8000
Pictures						
CPU	Intel Atom Z520 (1.33 GHz)	Intel Atom Z510 (1.1 GHz)	AMD LX800 (500 MHz)	AMD LX800 (500 MHz)	Marvell PAX270 (500 MHz)	80186 (80 MHz)
OS	WES 2009	WinCE 6.0	WES 2009	WinCE 6.0	WinCE 5.0	MiniOS7
I/O Expansion	I/O Slots, RS-232/485, Ethernet					
Software Development Tool	VS .NET 2005/2008, VC6, CB6, Delphi, BCB	VS .NET 2005/2008 ISaGRAF, InduSoft	VS .NET 2005/2008, VC6, VB6, Delphi, BCB	VS .NET 2005/2008 ISaGRAF, InduSoft	VS .NET 2005/2008 ISaGRAF, InduSoft	C language, ISaGRAF

µPAC	WP-5000	LP-5000	µPAC-5000	I-7188E/uP-7186E	I-7188XA/B/C
Pictures					
CPU	Marvell PXA270 (520 MHz)		80186 (80 MHz)	80186 (80 MHz)	80186 (40 MHz)
OS	WinCE 5.0	Linux kernel 2.6	MiniOS7	MiniOS7	MiniOS7
I/O Expansion	XW-board, RS-232/485, Ethernet			X-board, RS-232/485, Ethernet	
Software Development Tool	VS .NET 2005/2008 ISaGRAF, InduSoft	C language	C language, ISaGRAF	C language, ISaGRAF	C language, ISaGRAF

For more details, refer to PAC Product Catalog

- XP-8000-Atom Series
- XP-8000 Series
- WP-8000 Series
- LP-8000 Series
- iP-8000 Series
- ViewPAC
- MotionPAC
- Industrial IO Modules for 8000 Series PAC and ViewPAC
- I/O Expansion Units

- µPAC-5000 Series
- WP-5000 Series
- LP-5000 Series
- 7188 7186 Series uPAC
- Redundant System

ViewPAC	VP-25W1	VP-23W1	VP-2111/VP-2117	TPD-430	TPD-280/283	VPD-130
Pictures						
CPU	Marvell PXA270 (520 MHz)		80186 (80 MHz)	32-bit RISC CPU		
OS	WinCE 5.0		MiniOS7	N/A		
LCD	5.7" TFT LCD with Touch Panel	3.5" TFT LCD w/o Touch Panel	128 x 64 Dot Matrix STN LCD	4.3" TFT LCD with Touch Panel	2.8" TFT LCD with Touch Panel	3.5" TFT LCD with Touch Panel
I/O Expansion	I/O Slots, RS-232/485, Ethernet		I/O Slots, RS-232/485, Ethernet	RS-485	RS-485 or Ethernet	RS-232/485
Software Development Tool	VS .NET 2005/2008 ISaGRAF, InduSoft		C language, ISaGRAF	C language, Ladder		

For more details of [image] **, refer to PAC Product Catalog**

**For more details of** [image] **, refer to TouchPAD brochure**

● Software Development Tool

1. ISaGRAF (SoftPLC Solution)

ISaGRAF is a powerful SoftLogic package on the industrial market. **ISaGRAF Workbench** is a PLC-like development software running on Windows 95/98/NT/2000/XP/Vista/7 and its **ISaGRAF Runtime** application programs can run on any **ISaGRAF PAC**s such as WP-8xx7, VP-2xx7, XP-8xx7-CE6, iP-8xx7, µPAC-7186(P) EG etc. Using ISaGRAF PACs, the control/ monitor systems can easily implement industrial level of real-time data acquisition and data/devices control via wiring or wireless network in various industries.
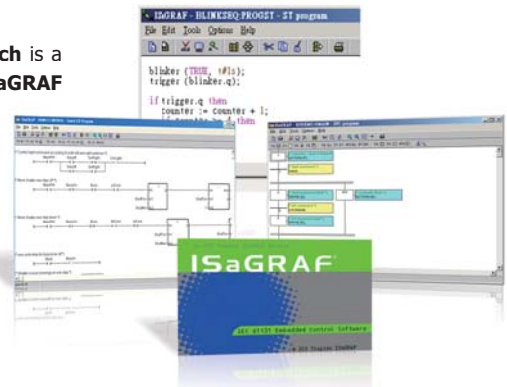
2. InduSoft (SCADA Solution)

Introduction :

InduSoft Web Studio is a powerful, integrated collection of automation tools that includes all the building blocks needed to develop modern Human Machine Interfaces (HMI), Supervisory Control and Data Acquisition (SCADA) systems, and embedded instrumentation and control applications. InduSoft Web Studio's application runs in native Windows NT, 2000, XP, CE and CE .NET environments and conforms to industry standards such as Microsoft .NET, OPC, DDE, ODBC, XML, and ActiveX. We provide the InduSoft bundled driver to integrate InduSoft software into ICP DAS products (IO Modules: I-7000, I-8000, I-87K ; PACs: WinPAC, WinPAC, XPAC) for SCADA system.