

WinCon-8x4x

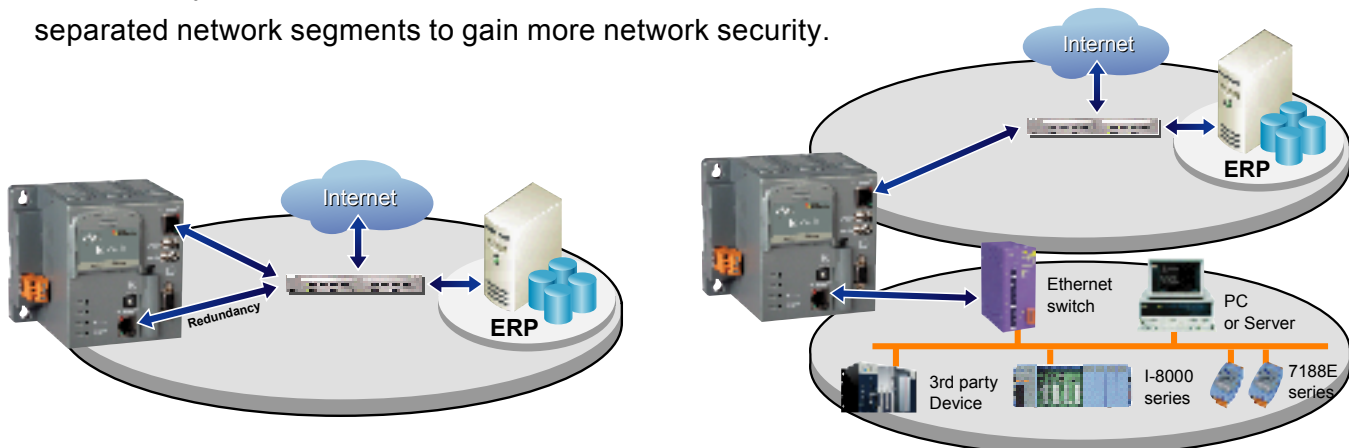
Dual 10/100M Ethernet, Dual USB PACs
(Programmable Automation Controllers)

ICP DAS



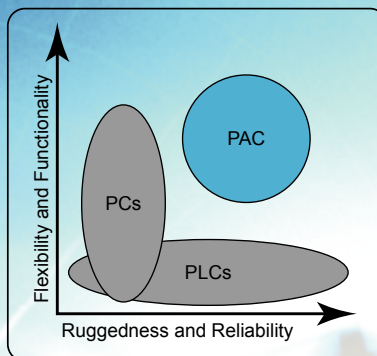
The ICP DAS WinCon-8x4x series embedded controllers are derived and upgraded from existing WinCon-8x3x series. This evolution includes dual USB host ports to support more connectivity to USB I/O devices, dual Ethernet 10/100M ports to provide higher network performance, network security, and redundancy capability, and a rotate switch to configure your system and applications.

Dual Ethernet ports usually help customers with the flexibility and extensibility . System integrators can implement their network redundant policies, or to plan their business systems and industrial Ethernet network in two separated network segments to gain more network security.



The WinCon-8x4x series PACs

The term of PAC is coined by ARC (Automation Research Corporation) Advisory Group to help users to define their application needs for next generation upgrade of traditional PLC. And PACs combine the functionality of a PC and reliability of a PLC.



The best features of a PLC

The WinCon-8x4x series PACs are composed of COTS (Commercial Off The Shelf) industry-grade components to provide reliability and availability like a PLC. The core inside the MCU (Main Control Unit) is a RISC CPU running in 206 MHz speed, along with large sufficient SDRAM, these PACs would provide better performance for system runtime and user applications execution. And like their predecessors, the WinCon-8x4x series PACs also support all sorts of ICP DAS PLC-style I/O modules including I-8000 series, I-87K series, and I-7000 series for digital input/output, analog input/output, motion control, and multi-serial ports.

The best features of a Industrial PC

A popular embedded hard real-time Operating System, Windows CE .NET, is built in internal non-volatile memory to provide fast boot up, determinism, and to prevent from system crash. Along with application development features of Windows CE .NET, these ICP DAS PACs are also equipped with PC interfaces like VGA output, USB host, Compact Flash memory card, Ethernet, and serial interfaces to provide the best features of an industrial PC.

The PLC Software

An IEC-61131-3 compliant PLC software, ISAGRAF, is embedded in WinCon-8x47 series controllers to provide PLC style programming environments.



The PC Software

The WinCon-8x4x series PACs are also compliant with all WinCon SDK (System Development Kits), including OPC server, Modbus libraries, libraries to access PLC-style I/O modules, XML for data exchange, internet services for web-based applications, and SQL CE server for database applications. The WinCon-8x4x series PACs provide advanced programming language like embedded Visual C++, Visual Basic .NET, and Visual C# .NET for complex application development and communication to business systems.



The Cost-Effective HMI solutions

To utilize the embedded VGA port for display, the WinCon-8x49 series PACs are embedded with InduSoft runtime to provide HMI/SCADA solutions.



Selection Guide

	Model Number	I/O Expansion Slot	Hardware Specifications
Standard WinCon-8000	W-8041-G	0 Slot	Processor : Intel Strong ARM CPU, 206MHz Flash Memory : 32M bytes SDRAM : 64M bytes EEPROM : 16K Bytes Operation System : Windows CE.NET 4.1 Interface : USB1.1 x 2 VGA port x1 Ethernet Port : 10/100 BaseT x2 (RJ45) Operating Temp :-25°C to +75°C Com Port : RS-232 x 1 : 9-pin D-Sub <input type="checkbox"/> RS-485 x 1 : 2 wire terminal block Power Supply : 20W, Unregulated +10Vdc to +30Vdc Default function : • 64-bit hardware unique serial number <input type="checkbox"/> • Reset button • Power LEDs • Watchdog Timer <input type="checkbox"/> • Rotary Switch • Real Time Clock Dimensions(mm) : • 115(L)x110(H)x75.5(D) for 0-slot <input type="checkbox"/> • 230(L)x110(H)x75.5(D)for 3-slot <input type="checkbox"/> • 354(L)x110(H)x75.5(D)for 7-slot
	W-8341-G	3 slots	
	W-8741-G	7 slots	
InduSoft WinCon-8000 (Target license included)	W-8049-G/G1	0 Slot G: 300 tags G1:1500 tags	Storage Temp :-30°C to +85°C Humidity : 5~95%
	W-8349-G/G1	3 slots G: 300 tags G1:1500 tags	
	W-8749-G/G1	7 slots G: 300 tags G1:1500 tags	
ISaGRAF WinCon-8000 (Target license included)	W-8047-G	0 Slot	
	W-8347-G	3 slots	
	W-8747-G	7 slots	

