



Making Data Acquisition Easy

WinPAC-8000 Series

ICP DAS USA's WinPAC-8000 is the new generation PAC equipped with an ARM CPU running on Windows CE.NET operating systems with various connectives such as; VGA, USB, Ethernet and RS-232/485. The WinPAC-8000 is designed with 1/4/8 slots for high performance Parallel I/O modules (high profile-8K series) and serial I/O modules (high profile I-87K I/O modules).

WinPAC operating system, Windows CE, has many advantages, including hard real-time capability, small core size, short boot time, interrupt handling at a deeper level, achievable deterministic control and low cost. Using Windows CE.Net in the WinPAC-8000 gives the is the ability to run PC-based Control software such as; Visual Basic.NET, Visual C#, Embedded Visual C++, SCADA software and SoftPLC.

Main Components:

1 Main Control Unit (MCU)

The MCU is the powerhouse of the WinPAC-8000. Each MCU comprises a Central Processor Module (CPM), a power supply, and a 1/4/8 I/O modules. The CPM is a powerful integrated processing engine comprising a CPU, RAM and ROM, and an option of communication interfaces including Ethernet, RS-485, and CAN bus.

2 Embedded OS

All WinPAC have Windows CE OS inside, and most of the popular features in MS software are included, such as; FTP Server, HTTP Server, ASP (Java/VB script), SQL Server embedded 3.5 and compact .NET Framework 3.5. WinPAC supports rich software & development solutions: VB.Net 2005/2008, Visual C# .NET 2005/2008, eVC++ 4.0, WinGRAF, ISaGRAF and Indusoft.

3 I/O Modules

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4 Remote I/O Expansion

WinPAC uses built-in RS-485 and Ethernet ports to connect RS-485/Ethernet remote I/O units (Ru-87Pn/ ET-87Pn) or modules (I-7000/M-7000/ET-7000).In this configuration, WinPAC expands the I/O very easily. Using CAN communication module, WinPAC can connect CAN bus devices, remote I/O units for deterministic control system.

