

FEATURES

- Designed to expedite the learning curve involved in deploying Windows® XP Embedded on a WinSystems' Single Board Computer or PC/104 CPU board
- Same Binary Code as Windows XP® Professional in a componentized form
- Componentized design allows you to deploy only those functions that your application requires
- Compatible with all programs written for Windows® 2000 and Windows XP® Professional
- Costs less than the desktop Windows XP Professional License
- Includes features specifically designed for embedded applications
- Can boot from CompactFlash
- Demonstrates 'Hibernate Once / Resume Many' (HORM) fast boot feature
- Includes cloning features that allow one image to be installed on multiple systems without System Identification (SID) conflicts

OVERVIEW

Windows® XP Embedded (XPe) offers the power of the Windows XP Professional operating system in componentized form. XPe works with WinSystems' Pentium® compatible Single Board Computers (SBCs) operating 366MHz and over. It is based on the same binary code as the Microsoft flagship operating system, Windows XP Professional. In addition, Windows XP Embedded provides developers flexibility when working with Windows XP platform technology, allowing them to meet the specific requirements of embedded devices.

One of the key benefits of componentization is that you can customize your operating system runtime image by choosing only the functionality you require. This allows you to substantially reduce the footprint of your customized Windows XP Embedded operating system image.

In addition to providing components representing Windows XP Professional features, Windows XP Embedded also provides embedded-specific components to effectively enable a broad range of advanced embedded features. Windows XP Embedded provides an intuitive set of tools, the Windows Embedded Studio, that help you work with all these components and customize your operating system runtime image.



Through the use of components, Windows XP Embedded allows you to have granular control over which features you integrate into your embedded design. Windows XP Embedded includes more than 11,000 components, which gives you the ability to highly customize your embedded design, optimizing it for a targeted user scenario and specific hardware requirements.

The footprint difference between Windows XP Embedded and Windows XP Professional will vary depending on the number of components you choose, but in most cases the difference is substantial. This is because the two products are tailored for different customer needs. Windows XP Embedded is designed for embedded developers who face memory and storage restrictions, but who also want the capabilities of a Win32® environment and the ability to choose from many embedded-specific advanced capabilities.

Windows XP Professional, on the other hand, is designed for information workers and home users who demand the capabilities of a full-featured desktop operating environment. Using components means you still get access to the benefits of building on a Win32-based platform, including the ability to leverage PC hardware, Win32 applications and desktop application development tools.

WinSystems' XP Embedded FP2007 Quick Start Kit - The WinSystems' XP Embedded Quick Start Kit (Kit) was designed to quickly familiarize the development engineer with the fundamentals of the Windows XP Embedded (XPe) tool suite.

The Kit includes a Resource CD, a sample XPe build on a 2GB CompactFlash and a tutorial called the WinSystems' XP Embedded FP2007 Quick Start Guide.

The Resource CD (CD) includes .SLD components for each supported WinSystems' CPU board. The WinSystems' CPU board's specific .SLD file has the ability to disable all board functions that the target application does not require. The CD also includes components for most features found on the CPU, which are not native to XPe. These features can include on-board Ethernet, on-board video, on-board audio and on-board digital I/O.

The 2GB extended temperature CompactFlash module contains a sample XPe build that demonstrates XPe running on the designated CPU board. A portion of the Quick Start Guide is dedicated to leading the user through the functions and services that are included in the sample build. These include a sample program that auto-starts after booting, the Enhanced Write Filter, the File Based Write Filter, a procedure for setting a fixed IP, the Telnet server, a command line shutdown, and the 'Hibernate Once / Resume Many' feature.

DEVELOPER KITS

All DV-S Series Developer Kits include:

- Windows XP Embedded License

- 2GB CompactFlash

- SDK4 Development chassis, which includes:

 - Removable Hard Drive

 - DVD ROM Drive

 - Floppy Drive

 - Power Supply

- Applicable cables for specific WinSystems' CPU

- ROM-DOS 7.1 (Used for disk prep) SDRAM

- WinSystems' XPe Resource CD

- WinSystems' XPe Quick Start Guide in .PDF format

- A discount code for purchasing 'Windows Embedded Studio' (a \$95.00 savings).

ORDERING INFORMATION

Please contact your WinSystems' Applications Engineer for complete part numbers and product availability.

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