Windows XP Embedded with Service Pack 2 is the operating system and development platform helping you to build more secure embedded device experiences.

Based on the same binaries as Microsoft® Windows® XP Professional Service Pack 2, Windows XP Embedded with Service Pack 2 helps developers to build more secure embedded devices by including features such as the new Windows Firewall and a hardened Microsoft Internet Explorer.

Windows XP Embedded with Service Pack 2 enables enterprise-class manageability by providing support for features such as Software Update Services (SUS) and Microsoft Systems Management Server (SMS). In addition, Windows XP Embedded with Service Pack 2 enables more innovative embedded device experiences through its advanced multimedia and networking capabilities.

In addition, Windows XP Embedded with Service Pack 2 incorporates the latest embedded-enabling capabilities, such as support for multiple boot, storage, deployment and management technologies.

For More Information
Please visit the Windows XP Embedded Web site at
http://msdn.microsoft.com/embedded.

SECURITY

Windows XP Embedded with Service Pack 2 contains the latest security innovations from Microsoft, helping to provide more secure embedded device experiences.

- Use the new Windows Firewall, which ships automatically enabled and allows you to open and close certain ports, based on the network topology you plan to deploy the device into.
- Browse the Web in a more secure fashion by using the new Internet Explorer, enabling you to block pop-ups and receive warnings about potentially harmful downloads.
- Take advantage of memory-protecting capabilities. Core Windows features have been recompiled with our latest Microsoft Visual Studio® compiler and we also support hardware-enforced "No Execute" (NX).

MANAGEABILITY

Windows XP Embedded with Service Pack 2 provides for enterprise-class manageability of both operating system and application-level updates, helping users to more easily protect their devices.

- Helping your customers to quickly protect their devices with security updates by using SUS.
- Manage your line-of-business applications by using SMS 2003.

INNOVATION

Windows XP Embedded with Service Pack 2 contains industry-leading technology, helping you to build increasingly innovative embedded devices.

- Deliver powerful audio and video playback and graphics rendering by using Microsoft Windows Media® Player 9 and Microsoft DirectX® 9.
- Enable your device to communicate through a wider variety of industry-standard protocols by using Bluetooth and Remote Desktop Protocol version 5.2.
- Build the latest applications with advanced managed code by taking advantage of our support for the Microsoft .NET Framework version 1.1.
- Bring your device to market fast by using expanded component help and our application compatibility macro components.

What Windows XP Embedded Includes:

Versatile embedded-enabling features, such as flexible boot and storage options and headless support.

Powerful Windows Embedded Studio development tools:
- Target Designer: Create, customize, and build a bootable run-time image.
- Component Designer: Create or modify components.
- Target Analyzer: Analyzes content of target hardware and creates a file to import into Target Designer or Component Designer.
- Component Database Manager: A tool for effectively managing your component database and repositories.

To develop with Microsoft Windows XP Embedded, you need:
- CD-ROM or DVD-ROM drive
- Microsoft Mouse or compatible pointing device
- VGA or higher resolution monitor, 1024x768 display recommended

Additional items or services required depending upon the Windows XP Embedded installation type chosen:

For tools-only configuration:
- PC with 500 MHz or higher processor, Pentium-class recommended
- Microsoft Windows 2000 with Service Pack 4 or Windows XP Professional with Service Pack 1
- 128 MB of RAM minimum, 256 MB or higher recommended
- Microsoft Internet Explorer 5.5 or later
- 20 MB of available hard-disk space

For database-only configuration:
- Microsoft Windows 2000 with Service Pack 2 or later or Windows XP operating system minimum; Windows 2000 Server with Service Pack 2 or later recommended
- 128 MB of RAM minimum, 256 MB or higher recommended
- 3 GB of available hard disk space
- Network connection

For tools and database configuration on a single computer:
- PC with 728 MHz or higher processor, Pentium-class recommended
- Microsoft Windows 2000 with Service Pack 2 or Windows XP operating system
- 512 MB of RAM minimum; 1 GB or higher recommended
- Microsoft Internet Explorer 5.5 or later
- 3.2 GB of available hard-disk space

Microsoft