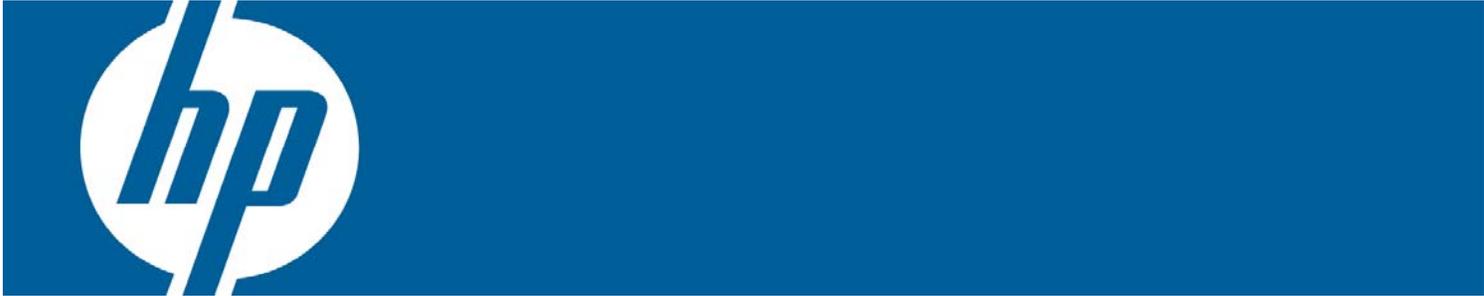


Installing Microsoft Windows on HP Compaq and EliteBook Notebook PCs



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Executive summary

Purpose

This white paper provides instructions on how to successfully install Microsoft® Windows® XP Professional and Windows® Vista® Business on HP Elitebook and HP Compaq Notebook PC models. The following guidelines provide installation procedures independent of the currently installed operating system.

Audience

This white paper is for use by HP personnel and clients and describes the process for installing Microsoft Windows XP Professional and Microsoft Windows Vista Business along with applicable HP drivers and applications.

System requirements and prerequisites

Information regarding minimum hardware requirements for installing XP Professional and Vista Business is available at <http://www.microsoft.com>.

Supported models

- HP EliteBook 2530p Notebook PC
- HP EliteBook 2730p Notebook PC
- HP EliteBook 6930p Notebook PC
- HP EliteBook 8530p Notebook PC
- HP Compaq 6530b Notebook PC
- HP Compaq 6730b Notebook PC

WARNING: IF YOU DO NOT BACK UP YOUR DATA BEFORE PROCEEDING, YOUR PERSONAL DATA WILL BE LOST. BEFORE YOU PROCEED, you must back up all personal data (files, pictures, etc.) prior to installing Microsoft Windows XP Professional or Windows Vista Business.

You will need the following items before creating a Windows image:

- A supported HP Notebook PC model
- High speed internet access
- Microsoft Windows OS Recovery media from HP
 - Media obtained from an alternate source may require a product ID (PID) from the Certificate of Authenticity
- HP Driver Recovery DVD for the model on which the OS is being installed
- HP Softpaq Download Manager

Important: Make sure you have the latest compatible version of drivers and enhancements. In addition, you must have a Microsoft OS license for each system on which you install Windows XP Professional or Vista Business. The Windows Vista Business license allows you to use either Windows XP Professional or Windows Vista Business.

Note: You can also download HP drivers and utilities, including the most current available BIOS for the supported models from the HP website at www.hp.com.

Installing the operating system and system hardware

Preparing for installation

IMPORTANT: Follow the installation instructions in the order provided. Failure to complete these steps in the proper order can result in an unsuccessful or unstable installation.

This section provides guidelines for users who perform a clean installation of Microsoft Windows.

Installing drivers and enhancements

1. Download the network interface card and/or wireless LAN adapter driver for the model on which Windows is being installed depending on internet connection type. Save to a USB storage device or optical media.
 - a. Contact the Network Administrators to properly set up the networking components of Microsoft Windows. For additional OS installation instructions, please refer to the Microsoft website.
2. Change the boot order in F10 Setup to make the optical drive the first boot device.
3. Boot with the Windows OS Recovery disc from HP in the drive and follow the on-screen instructions for installation.
 - a. OS recovery media from HP does not require a product ID or key for installation on a supported HP business notebook model.
 - b. Older Windows XP OS media will not include SATA drivers. For more information on loading SATA drivers, please refer to the *Installing SATA Drivers on HP Compaq Notebook PCs* white paper.
 - c. Please keep the HP_TOOLS partition in order to retain QuickLook 2, the F10 Setup graphical user interface and HP Diagnostics. For additional information, please refer to the *HP Business Notebook Computer EFI Guidelines* white paper.
4. Install the appropriate communications driver from the Driver Recovery DVD and configure your internet connection.
 - a. For Windows XP, install the Microsoft Universal Audio Architecture (UAA) Bus Driver and Essential System Updates then reboot prior to installing the audio and modem drivers. Audio driver may require manual installation.
5. Go to www.microsoft.com/windowsupdate and install the critical patches at a minimum. With Windows XP, DirectX 9 and .NET 2.0 will need to be installed. Reboot the system after completing installation of the Microsoft patches.
6. Install drivers and enhancements using HP SoftPaq Download Manager (available from www.hp.com/go/sdm) or individual SoftPaqs downloaded from the HP website. For additional information, see Appendix A.
 - a. It is recommended that power management settings are adjusted prior to using the notebook to prevent possible data loss.

Table 1 lists the minimum recommended versions and Softpaq numbers by OS.

Table 1. Minimum recommended software versions and Softpaq numbers.

Name	XP Version	SoftPaq#	Vista Version	SoftPaq#	Required
ADI Sound MAX ADI Audio Driver	5.10.1.5880	42375	6.10.1.5840	39971	Yes
ATI Video Driver and Control Panel	8.58-090115a1-076578c	42763	8.503.2.1-080627a-066205c	39943	Yes
Authentec Fingerprint Driver	2.00	40003	2.00	40003	Yes
BIOS Configuration for HP ProtectTools	4.00	39819	4.00	39819	
Broadcom Wireless LAN Driver	7.20	42780	7.00	39911	Yes
Broadcom Wireless Utility	7.00	39913	7.00	39250	
Chicony Camera Driver	5.8.39008.0	41512	5.8.39004.1	39997	Yes
Device Access Manager for HP ProtectTools	3.00	37716	3.00	37716	
Embedded Security for HP ProtectTools	5.50	39198	5.50	39198	
Essential System Updates	2.00	39429	1.00	40017	Yes
File Sanitizer for HP ProtectTools	1.00	39909	1.00	39909	
High Definition Audio (HAD) Modem Installer and Driver	1.00	41691	1.00	39689	Yes
HP 3D DriveGuard	1.10.3	41474	3.10	39689	Yes
HP Help and Support	4.4	39207	2.0.9.0	39259	
HP Multi-WWAN Driver Installer	1.00	42869	1.00	39929	Yes
HP Protect Tools Security Manager Suite	4.00	39780	4.00	39780	
HP Quick Launch Buttons	6.40.14.1	42524	6.40.6.1	39425	Yes
HP QuickLook Software	2.00	39832	2.00	39832	
HP System Diagnostics (EFI)	1.0.20.0	39964	1.0.20.0	39964	
HP Universal PostScript Print Driver	61.81.41.2	39176	61.81.41.2	39176	
HP Webcam	1.0.031.0703	40094	1.0.031.0703	40094	
HP Wireless Assistant	3.00	39374	3.00	39374	Yes
Infineon Trusted Platform Module (TPM) Driver	6.00	40431	N/A	N/A	Yes
Intel 82567M NIC Driver	1.00	39957	1.00	39883	Yes
Intel AMT Driver	4.0.0.1100	40118	4.0.0.1100	40118	Yes

Intel Chipset Installation Utility for ICH9	8.7.0.1007	39316	8,7.0.1007	39317	Yes
Intel Matrix Storage Manager	8.7.0.1007	42162	8.2.3.1001	40078	Yes
Intel PRO/Wireless Drivers	8.20	42362	8.00	40117	Yes
Intel PROSet for Intel Wireless Network Connection	8.00	40119	8.00	40116	
Intel Video Driver and Control Panel	6.14.10.5043	42830	7. 15. 10. 1502	40128	Yes
LightScribe System Software	1.14.17.1	40174	1.14.17.1	40174	
Microsoft Universal Audio Architecture (UAA) Bus Driver	1.00	33867	N/A	N/A	Yes
Privacy Manager for HP ProtectTools	1.00	40203	1.00	40203	
Ricoh Media Card Reader Driver	1.02.00.17	41982	1.02.00.09	40158	Yes
Software Support for HP Integrated Module with Bluetooth Wireless	5.1	40204	6.0	39805	Yes
Synaptics Touchpad Driver	12.2.2	42621	12.2.2	42621	Yes
System Default Settings	5.00	39546	1.00	39592	Yes
Wacom Digitizer Driver	N/A	N/A	505-5_HP11	39895	Yes (2730P only)

Appendix A: Using HP Softpaq Download Manager

Installing drivers and enhancements using HP Softpaq Download Manager

Perform the following steps after manually installing Microsoft Windows:

1. Boot Microsoft Windows.
2. Open Internet Explorer.
3. Download and install HP Softpaq Download Manager from www.hp.com/go/sdm.
4. When prompted, select "Show software for all supported models."
5. Select the appropriate SoftPaqs in the Driver and Operating System categories.
 - a. If duplicate titles appear, select the version with the latest release date supporting necessary models.
6. Select any desired software in the other categories.
7. After installation is complete, reboot the system.

For more information

To learn more about HP business notebooks, contact your local HP sales representative or visit our Web site at: www.hp.com/go/notebooks.

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