

# HP Compaq nc4200 Notebook PC software overview



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# Abstract

The purpose of this white paper is to present both an overview of the preinstalled software with operating system support and a brief description of major software components and features. This white paper covers the new HP Compaq nc4200 Notebook PC models, along with a software comparison to HP Compaq nc8000, nc6100, nc6200 and nc8200 Notebook models.

This document is intended for HP personnel and customers who need information about the software provided on the nc4200 preinstall images.

## Highlights

Benefits of the new HP Compaq nc4200 Notebook PC preinstall image include:

- Support for:
  - HP Compaq nc6110, nc6120, nc6220, nc6230, nc8200 and nc4200 Notebook models

## Operating systems

Operating systems available for the nc4200 series include:

- Microsoft Windows XP Professional with Service Pack 2

### Microsoft Windows 2000

Microsoft Windows 2000 Professional with Service Pack 4 is supported on HP Compaq nc4200 models.

### Microsoft Windows XP Professional

Microsoft Windows XP Professional with Service Pack 2 is preinstalled on select nc4200 models. Microsoft .NET Framework 1.1, Windows Media Player 10 and Windows Media Connect are preinstalled.

**Table 1** Windows XP Pro software component version comparison

Software component	HP Compaq nc8000	HP Compaq nc6100	HP Compaq nc6200	HP Compaq nc8200	HP Compaq nc4200
ADI Soundmax Audio Driver	1.00 C	1.00 F	1.00 F	1.00 F	1.00 F
Adobe Acrobat Reader	5.10 B	6.01 B	6.01 A	6.01 A	6.01 B
Agere Systems Soft Modem Driver	1.00 A	1.00 A	1.00 A	1.00 A	1.00 A
Agere Mini-PCI Modem Driver	1.00 D	N/A	N/A	N/A	N/A
Altiris Express Client	5.60 B	N/A	N/A	N/A	N/A
Altiris Local Recovery	N/A	6.10 B	6.10 B	6.10 B	6.10 C
HP WLAN W400-W500 Atheros Client Utility	2.00 A (Web)	N/A	N/A	N/A	N/A
ATI Hydravision	N/A	N/A	1.00 A (6230 only)	1.00 A	N/A
ATI Mobility U1/RS200M AGP Bus Driver	1.00 E	N/A	N/A	N/A	N/A

<b>Software component</b>	<b>HP Compaq nc8000</b>	<b>HP Compaq nc6100</b>	<b>HP Compaq nc6200</b>	<b>HP Compaq nc8200</b>	<b>HP Compaq nc4200</b>
ATI M10 Video Driver/Control Panel	1.00 A	N/A	N/A	N/A	N/A
ATI nc6230 Video Driver and Control Panel	N/A	N/A	1.00 A (6230 only)	N/A	1.00 A
ATI 8200 Video Driver and Control Panel	N/A	N/A	N/A	1.00 A	1.00 A
BIOS Configuration Module for HP ProtectTools	N/A	1.00 B	1.00 C	1.00 C	1.00 C
Broadcom BCM440x 10-100 Ethernet Driver	N/A	1.01 A	1.01 A	1.01 A	1.01 A
Broadcom NetXtreme Gigabit Ethernet Driver	3.00 A	N/A	N/A	N/A	N/A
Broadcom NetXtreme Gigabit Ethernet PCI Express Driver	N/A	1.00 A	1.00 B	1.00 B	1.00 B
HP Application Installer	3.00 A	4.00 B	4.00 B	4.00 B	4.00 B
Software Support for Bluetooth MultiPort	2.02 D (preloaded)	N/A	N/A	N/A	N/A
System Default Settings	4.00 B	4.20 A	4.20 A	4.20 A	4.20 C
Intervideo WinDVD	5.00 B	6.10 A	6.10 A	6.10 A	6.10 A
Quick Launch Buttons Software	5.00 A	5.00 D	5.10 A	5.10 A	5.10 A
Wireless LAN MultiPort W200 Driver	1.01 A	N/A	N/A	N/A	N/A
HP Help & Support	3.02 B	3.02 L	3.02 L	3.02 L	3.02 L
Diagnostics for Windows	4.11 A (preloaded)	4.12 A (web download)	4.12 A (web download)	4.12 A (web download)	4.12 A (web download)
HP Integrated Bluetooth driver	N/A	3.00 A	3.00 A	3.00 A	3.00 A
Support software for Bluetooth by HP	3.00 B	N/A	N/A	N/A	N/A
HP Mobile Printing for Notebooks	2.10 B	3.11	3.12	3.12	3.12
HP ProtectTools Security Manager	N/A	1.00 C	1.00 C	1.00 C	1.00 C
HP Credential Manager for ProtectTools	N/A	N/A	1.00 B (Web)	1.00 B	1.00 B
HP Wireless Assistant	N/A	1.00 A	1.00 A	1.00 A	1.00 C
HP WLAN W400 /W500 Driver	2.00 A	N/A	N/A	N/A	N/A
Infineon TPM Driver	1.00 A	3.00 A	3.00 A	3.00 A	3.00 A
Insight Management Agents	5.00 K (preloaded)	N/A	N/A	N/A	N/A
Intel Chipset Installation Utility	5.00 A	6.10 D	6.10 D	6.10 D	6.21 D
Intel nc4200 Video Driver	N/A	N/A	N/A	N/A	1.00 A
Intel PRO/Wireless 2100 3B Mini PCI Adapter	2.00 A	N/A	N/A	N/A	N/A

Software component	HP Compaq nc8000	HP Compaq nc6100	HP Compaq nc6200	HP Compaq nc8200	HP Compaq nc4200
Intel Set TV Format and Resolution Utilities	N/A	1.00 A	1.00 A	1.00 A	1.00 A
Intel Video Driver	N/A	1.00 C	1.00 C	1.00 C	N/A
Intel Set Default	N/A	1.00 A	1.00 A	1.00 A	N/A
Intel Set Resolution	N/A	1.00 A	1.00 A	1.00 A	N/A
Microsoft DirectX	2.00 A	N/A (included with SP2)	N/A (included with SP2)	N/A (included with SP2)	N/A (included with SP2)
O2 Micro Memory CardBus Accelerator	9.00 A	N/A	N/A	N/A	N/A
O2 Micro Memory CardBus Reader	1.00 B	N/A	N/A	N/A	N/A
Roxio Easy CD Creator	6.11 D (CD)	N/A	N/A	N/A	N/A
Sonic DLA	N/A	4.95 C	4.95 C	4.95 C	4.95 C
Sonic RecordNow!	N/A	7.22 C	7.22 C	7.22 C	7.22 C
Sun Java	1.4.2	1.5.0	1.5.0	1.5.0	1.5.0
Synaptics Touchpad	7.5 D	7.12 H	7.12 H	7.12 H	7.12 H
Symantec Norton Antivirus	N/A	11.01 B	11.01 B	11.01 B	11.01 B
System Enhancements for SP2	1.00 A	1.00 D	1.00 E	1.00 E	1.00 E
TI Cardbus Driver	N/A	1.02 A	1.02 A	1.02 A	1.02 A

## Microsoft Windows NT Workstation 4.0 and Windows 98

Microsoft Windows NT Workstation and Windows 98 are not supported on the HP Compaq nc4200 models. Limited support is available for the Evo N620c and HP Compaq nc4010 models.

## Software delivery

Delivery methods for software updates available for HP commercial computers include:

- HP Support Software CD
- HP Worldwide Web Site and Download Facility
- HP Restore CD Kit

### HP Support Software CD

The Support Software CD (SSCD) includes updated drivers and utilities for HP commercial notebook, desktop, and workstation computers. Key drivers and utilities for HP computers are included on the SSCD. The user interface is in English, French, Italian, German, Spanish, and Japanese. The SSCD is updated regularly and is available either through an annual subscription or as a one-time purchase. Subscriptions can be purchased through customer support or from an authorized dealer.

## HP worldwide website and Download Facility

Individual drivers and utilities can be downloaded, in the form of SoftPaqs, from the HP Download Facility or from the website at <http://h18000.www1.hp.com/support/files/> or <ftp://ftp.compaq.com/pub/softpaq/>. SoftPaqs provide a distribution method for driver and ROM updates and product software enhancements. Multiple files and bootable diskettes can be distributed conveniently and electronically through diskettes or the Web.

## HP Restore Discs

Restore Discs are shipped with HP Compaq nc4200 models. The two discs provide an easy-to-use complete restore solution for preinstalled operating systems. This restore solution allows users to selectively install and repair the OS, drivers, and applications without destroying important data; or to perform a full preinstalled software restoration.

- The OS disc contains the preinstalled operating system and allows for reinstallation of the operating system on top of the current installation.
- The Driver Recover disc allows installation from a menu of preinstalled drivers, utilities, and applications that are preinstalled on the computer.
- Additional applications CDs are included on select models.

Table 2 provides descriptions for software listed in this white paper.

**Table 2** SoftPaq descriptions

SoftPaq	Description
3Com Etherlink 10/100 PCI NIC	Supports PCI NIC that is used in select docking station models
ADI Audio Drivers	Enables the integrated audio hardware used in select configurations
Agere Modem Driver	Enables integrated modems used in select configurations
Altiris Express Client	Enables software deployment, configuration, and migration
HP Client Manager Software	Management agent combining HP and Altiris technologies enabling complete lifecycle management from a single web console
Intel Video Drivers	Enables the integrated video hardware used in select configurations
Broadcom Netxtreme Gigabit Ethernet Drivers	Enables integrated gigabit NIC device used in select configurations
Application Installer	Provides a convenient method for installing preloaded software
Diagnostics	Provides tools to test hardware components
Quick Launch Button Software	Enables the use of integrated one touch productivity buttons
Insight Management Agents	Provides asset management, security features, and alerting capabilities
ADI Soundmax Audio Driver	Enables the integrated audio hardware used in select configurations
Mini PCI Communications Support and Drivers	Enables internal modem and modem/NIC combination devices used in select configurations and supports Intel PCI NIC that is used in select docking station models
Synaptics TouchPad Driver	Provides added functionality for the TouchPad pointing device
System Enhancements	Provides users with an easy-to-install compilation of operating system enhancements and fixes
System ROMPaq	Updates ROM BIOS (Read Only Memory/Basic Input Output System), which sets basic configuration allowing the system to boot
HP ProtectTools Security Manager	A framework for modular plug-ins designed to manage security features offered by HP.

## Software enhancements

This section discusses the following software enhancements:

- HP Client Management Solutions
- Video
- Audio
- Security
- Quick Launch Button Support
- HP Wireless Assistant
- Altiris Local Recovery

The check boxes following each description indicate which operating systems support these enhancements and if the enhancements are provided on the SSCD, Restore CDs, and HP Web site.

### HP Client Management Solutions

- Windows XP,
- Support Software CD
- Driver Recovery Disc
- Website

With HP Client Management Solutions, formerly called Intelligent Manageability, HP responds to customer needs for easy-to-manage computers in stand-alone and networked environments. HP, in a strategic relationship with Altiris, a recognized leader in delivering cost-reducing lifecycle management technologies, offers a cohesive set of solutions that span the entire IT lifecycle. HP and Altiris solutions focus on business needs in the following critical lifecycle areas:

- HP platform management – Proactively responds to hardware changes, alerts, and manage mass updates to system software.
- Deployment & Migration – Manage the end-to-end software deployment and migration process.
- Inventory & Asset management – Keep track of hardware and software within the business environment.
- Help desk & Problem resolution – Resolve customer issues and streamline the help desk.
- Connectors – Integrate with enterprise technology and systems management solutions.

With both stand-alone solutions and integrated suites, customers can manage hardware and software from a single Web-based console to address the complete IT lifecycle. For more information or to download HP CMS, visit the HP website at [www.hp.com/go/easydeploy](http://www.hp.com/go/easydeploy).

Standards supported:

- SMBIOS Version 2.3.1, PXE 2.1, WHQL 9.0, RPL 2.73.

### Video

- Windows XP
- Support Software CD
- Driver Recovery Disc
- Website

HP Compaq nc4200, nc6100 and nc6220 PCs feature Intel video chipsets. HP Compaq nc6230 and nc8200 feature ATI video chipsets. Software drivers enable all functionality of the chipset. Driver support is complemented by a display utility that provides easy access to video settings through the Windows Control Panel.

## Audio

- Windows XP
- Support Software CD
- Driver Recovery Disc
- Website

Audio drivers on the nc4200 enable the ADI CODEC controller to run multimedia applications using Microsoft DirectSound audio capability.

## Security

- Windows XP
- Support Software CD
- Driver Recovery Disc
- Website

### HP ProtectTools Security Manager

HP ProtectTools Security Manager provides the framework into which additional modules can be installed. ProtectTools Security Manager is preinstalled on select models along with the BIOS Configuration Module for ProtectTools, which provides a graphical interface from within the operating system to configure and manage ROM BIOS settings. On the nc4200 series, Credential Manager for HP ProtectTools is preinstalled. This module provides users with single sign on capability for websites, applications, and network resources. For more information on HP ProtectTools solutions, please refer to the white paper, HP ProtectTools Security Manager, 5982-9847EN, November 2004.

### DriveLock

DriveLock is a security feature that offers advanced protection against unauthorized access to valuable data on internal notebook hard drives. Two passwords control access to the hard drives, which provide customers with a means to unlock a protected drive if the day-to-day user password has been lost. Hard drives protected with DriveLock remain protected even if removed from the notebook. Features and settings are accessed through the F10 Setup Utility. For more information about DriveLock, refer to the white paper, *Drivelock Hard Drive Protection on HP Notebooks*, 5981-9417EN, July 2003.

### Power-on password

- Windows XP
- Support Software CD
- Driver Recovery Disc
- Website

The power-on password prevents an unauthorized user from powering on the system. After a power-on password is established, the user is required to type the password during the power-on process. The password can be set independently from DriveLock

## F10 administrator password

- Windows XP
- Support Software CD
- Driver Recovery Disc
- Website

The F10 administrator password, also known as the setup password, prevents unauthorized changes to the system configuration. If the administrator password is not known, F10 Setup Utility is inaccessible. If this password is enabled, users are restricted from modifying DriveLock.

## Quick Launch button support

- Windows XP
- Support Software CD
- Driver Recovery Disc
- Website

HP Compaq nc business notebooks include three Quick Launch buttons designed to provide one-touch access to commonly used features including:

- QuickLock—Engages OS password protection.
- Wireless On/Off—Enables or disables wireless connectivity (802.11 and Bluetooth).
- Presentation Ready—Enables customers to quickly and easily launch presentations and automatically adjust display and power settings.

## HP Wireless Assistant

- Windows XP
- Support Software CD
- Driver Recovery Disc
- Website

HP Wireless Assistant is a utility designed to make using integrated wireless devices easier to use. Key features include:

- Show which integrated wireless devices are present
- Display status of integrated wireless devices
- Control integrated wireless devices
- Status balloons from Windows system tray

## Altiris Local Recovery

- Windows XP
- Support Software CD
- Driver Recovery Disc
- Website

HP provides data and system file protection software preloaded on the nc4200 notebook with Local Recovery for HP Business PCs from Altiris. With Local Recovery, users can quickly recover and get



back to work when information is accidentally deleted or your operating system is corrupted. Features include:

- Data recovery from a user's local hard drive
- Patented, intelligent technology utilized for data backup/recovery
- Redundant file elimination (RFE)
- HLZS data compression
- Backs up an unlimited number of snapshots
- Supports automatically-scheduled or user-initiated snapshots

## Frequently asked questions

### **How can DVD movies be viewed on business notebook nc models?**

Intervideo WinDVD is preloaded on new nc4200 notebook family products. A software-based DVD decoder/player features an easy-to-use interface and allows customers to view DVD video releases. The DVD player is installed from the Setup Software shortcut off of the Windows Start Menu. This application is designed for use with Windows XP and Windows 2000.

### **Is the nc4200 preinstall image also compatible with other nc models?**

Yes, the nc4200 preinstalled software image has been tested with nc6110, nc6120, nc6220, nc6230 and nc8200 models.

### **If a new model is introduced, will previously released models in the family that are still being manufactured be updated with the new preinstall image?**

Many customers have expressed a need for consistency. Therefore, HP will make every reasonable effort to maintain a consistent software image on corporate notebook models during the life of these models.

### **How do I obtain updated software components?**

The latest software updates are available from the HP website at <http://www.hp.com>. For customers without Web access, the HP Software Support CD Kit is available.

### **Will the current image change significantly if new models are introduced?**

As much stability as possible is provided in new models. Changes made to the preinstall images will be limited to modifications that support new hardware features or will significantly improve overall performance.

### **How will I know what has changed?**

Updated HP notebook family software white papers describe updates or differences in software versions that are introduced with new products. HP Product Change Notification (PCN) is another method of communication to inform customers of changes to shipping models. For more information, go to <http://www.hp.com/go/pcn>.

### **What is the difference between preloaded and preinstalled software?**

Preinstalled software refers to drivers, hardware enabling utilities, and applications that are ready to use as soon as your system has completed setup after initial power-on ("unbundling"). Preloaded software refers to applications and utilities that provide additional non-critical features on applicable models, such as management, DVD playback or CD-RW burning and must be installed prior to use.

### **Why is some software preloaded?**

Select software is preloaded to provide flexibility for our customers. Some customers may choose different applications and utilities than those provided by HP.

### **How do I install preloaded software?**

HP has made installation of preloaded software easy by including an application installer utility. Simply launch the Setup Software utility, select the desired applications, and follow the easy-to-use menus.

## For more information

To learn more about preinstalled software with OS support, contact your local HP sales representative or visit our website at <http://www.hp.com>.

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