HP Compaq nc8430 Notebook PC

HP recommends Windows Vista™ Business

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Power Tools for the Office and Beyond -- High-performance discrete graphics, Intel® Core™ 2 Duo processors, and 15.4-inch widescreen displays

The HP Compaq nc8430 Notebook PC is a performance business notebook with robust features that rivals any notebook or desktop PC.

Desktop in motion: The powerful tools you need to accomplish more in less time.

- Best-in-class mobility with a starting weight of 5.95 lbs and 1.1" thin.
- Powerful ATI graphics deliver the performance, quality, and stability required for your most demanding projects.
- Choice of 15.4-inch TFT widescreen displays with wide-viewing angle technology on select displays.
- Intel® Core™ Duo[7] & Intel® Core™ 2 Duo[7] processors allow simultaneous use of multiple applications so you accomplish more in less time.
- HP also offers DVD+/-RW with LightScribe technology which gives you twice the storage of single-layer disc and lets you burn a custom label directly to your disc.[2,3,6]

HP Professional Innovations

- Security – Solutions to help protect your mobile workstation, data, and network connections.
    - HP ProtectTools is a portfolio of security features designed to address critical aspects of security,

including the TPM Embedded Security Chip, Smart Card Reader, and HP Biometric Fingerprint Sensor[6].

- Ease-of-use – Intuitive and power-saving features that boost productivity.
    - Ambient Light Sensor automatically adjusts display brightness maximizing battery life.
    - HP Fast Charge Technology charges the primary battery up to 90% in 90 minutes then charges secondary battery up to 90% to keep you running.[8]
    - HP Smart AC Adapter can be shared across HP's 2006 Business Notebooks and includes surge protection.[12]
- Reliability -- Built to perform and proven to last.
    - HP Mobile Data Protection System 3D helps protect data during normal use from shock and vibration.
    - In-mold Lamination is a scratch-resistant surface that helps protect the keyboard deck.
    - Magnesium frame and display enclosure provide a durable structure in a very thin and light design.
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Operating system	Preinstalled Genuine Microsoft Windows XP Professional Edition Genuine Microsoft Windows XP Home Edition (select countries only) FreeDOS		Supported Genuine Microsoft Windows 2000 (drivers downloadable from http://www.hp.com)

Processor[7]	Intel® Core™2 Duo processor 667-MHz FSB, 4-MB L2 cache
	    • T7200[†] (2.0-GHz), T7400[†] (2.16-GHz), T7600[†] (2.33-GHz)
	Intel® Core™2 Duo processor 667-MHz FSB, 2-MB L2 cache
	    • T5600[†] (1.83-GHz)
	Intel Core Duo processor 667-MHz FSB, 2-MB L2 cache
	    • T2400[†] (1.83-GHz), T2500[†] (2.0-GHz), T2600[†] (2.16-GHz)
	[†]Intel's numbering is not a measurement of higher performance.		

Chipset	Mobile Intel 945PM Express Chipset with 667-MHz FSB		
Memory	DDR2 SDRAM, 533- or 667-MHz, two SODIMM slots supporting dual channel memory[9], 512/1024/2048-MB upgradeable to 4096-MB maximum[1]		
Hard drive(s)[11]	60/80/100/120-GB 5400 rpm, 80/100-GB 7200 rpm		
Removable media	12.7-mm optical drives: LightScribe DVD+/-RW with Double Layer[2], DVD+/-RW SuperMulti[10] with Double Layer[2], 24X DVD/CD-RW Combo		
Display	15.4-inch WXGA (1280 x 800 resolution and 16M colors), 15.4-inch WSXGA+ wide-viewing angle (1680 x 1050 resolution and 16M colors), Ambient Light Sensor		
Graphics	ATI Mobility Radeon X1600 with 256MB of dedicated video memory		
Audio	PremierSound High Definition Audio support w/24-bit audio DAC, Digital EQ, Advanced audio power management, line out/headphone jack, microphone jack, integrated microphone		
Wireless[4] support	Intel PRO/Wireless 3945ABG Network Connection, Broadcom 4311AG 802.11a/b/g WiFi Adapter, Broadcom 4311BG 802.11b/g WiFi Adapter, Bluetooth™ 2.0		
Communications	Broadcom NetXtreme Gigabit Ethernet PCI Express Controller[5] (10/100/1000 NIC), 56K v.92 modem, HP Smart Power NIC technology		
Expansion slots	1 Type I/II PC Card slot supports 32-bit CardBus and 16-bit cards, integrated Smart Card Reader, Secure Digital slot		
Ports and connectors	3 USB 2.0, VGA, audio in/out, power connector, RJ-11, RJ-45, S-video TV out, 1394a, serial port (nc8430 only), docking connector, accessory battery connector		
Input devices	Full-sized keyboard; Enhanced dual pointing devices (Touchpad and Pointstick, both with three pick buttons)		
Software	Operating system updates	Microsoft Windows Media Player 10 Microsoft .NET Framework 1.1	Applications and utilities	HP Wireless Assistant – select models HP Mobile Printing Driver for Windows
	Security and recovery	HP Backup and Recovery Manager Norton Internet Security HP ProtectTools Security Manager	Applications	Sonic Digital Media Plus – select models Intervideo WinDVD 5 – select models Microsoft Office 2003 Small Business or Professional- Optional
Security	HP ProtectTools Security Manager, HP Drivelock, integrated Smart Card Reader, integrated HP Biometric Fingerprint Sensor, TPM Embedded Security Chip , Kensington lock slot		
Dimensions (h × w × d)	1.1 in (at front) x 14.1 in x 10.2 in /28 mm (at front) x 358 mm x 259 mm		
Weight	Starting at 5.95 lbs		
Power	8-cell (69 WHr) Lithium-Ion battery, optional HP 8-cell (52 WHr) Extended Life Battery, 90W HP Smart AC Adapter[12], HP Fast Charge Technology[8]		
Expansion solutions[6]	HP Docking Station[6]	HP Advanced Docking Station[6]	HP External MultiBay II[6] HP Monitor Stands[6]
Warranty	Three-year standard parts and labor limited warranty(upgrades available[6]), one-year limited warranty on primary battery		

1 Above 3-GB, all memory may not be available due to system resource requirements.
2 Double Layer discs can store more data than single layer discs. However, double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players
3 LightScribe creates a grayscale image similar to black and white photography. LightScribe media required and sold separately.
4 Wireless access point required and is not included. Availability of public wireless access points limited. Wireless Internet use requires separately purchased Internet service contract.
5 The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/sec. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.
6 Sold separately or as an optional feature.

7 Dual Core is a new technology designed to improve performance of certain software products. Check with software provider to determine suitability. Not all customers or software applications will necessarily benefit from use of this technology
8 Fast Charge Technology recharges your battery up to 90% within 90 minutes when the system is off. Fast Charge Technology does not apply to 9 cell primary and 12 cell Ultra Capacity batteries.
9 Dual Channel is only supported when the system is configured with DDR2 symmetric memory (i.e. 2x256).
10 Note that DVD-RAM cannot read or write to 2.6GB Single Sided/5.2 GB Double Sided – Version 1.0 media.
11 For hard drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 8GB of memory is reserved for system recovery software.
12 The new HP Smart A/C Adapters will not be backwards compatible to prior generation notebooks. However, a dongle will be available to support existing notebooks in the field. Older HP adapters will not be forward compatible to the 2006 HP Business Notebooks