HP Compaq nw8440 Mobile Workstation

HP recommends Microsoft® Windows® XP Professional

+ hp

Workstation Performance, Notebook Mobility -- High-performance discrete graphics, 15.4-inch widescreen displays, and ISV certifications

The HP Compaq nw8440 Mobile Workstation is a power-packed mobile workstation in a thin and light design, so you can easily work beyond the office without compromising performance demands.

Workstation performance on the move
High-performance mobile workstation frees you from the confines of your desk.

- Best-in-class mobility with a starting weight of 5.95 lbs (2.7 kg) and 1.1" (28 mm) thin.

- Powerful ATI Mobility FireGL V5200 graphics deliver the performance, quality, and stability required for your most demanding projects.

- Certified with the latest ISV workstation applications in a wide range of vertical segments.

- Choice of high resolution 15.4-inch TFT widescreen displays with anti-glare and wide-viewing angle technology.

- Intel® Core™ Duo[7] processors allow simultaneous use of multiple applications so you accomplish more in less time.

HP Professional Innovations
A suite of value-added security, ease-of-use, and reliability features that helps differentiate HP Business Notebooks from all the rest.

- 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 IT security including the TPM Embedded Security Chip, Smart Card Reader, and optional 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 Duo Processor T2600† (2.16-GHz, 667-MHz FSB, 2MB-L2 cache) Intel Core Duo Processor T2500† (2.0-GHz, 667-MHz FSB, 2MB-L2 cache) Intel Core Duo Processor T2400† (1.83-GHz, 667-MHz FSB, 2MB-L2 cache) Intel Core Duo Processor T2300† (1.66-GHz, 667-MHz FSB, 2MB-L2 cache) †Intel's numbering is not a measurement of higher performance.		
Chipset	Mobile Intel 945PM Express Chipset		
ISV Certifications			
MCAD	AutoDesk AutoCAD AutoDesk Inventor AutoDesk Revit Bentley Microstation Dassault Catia V5	UGS I-DEAS NX 10 UGS I-DEAS NX 11 UGS/PLM Unigraphics NX, NX2, NX3	PTC Pro/E 2001 Mechanica PTC Pro/E Wildfire Mechanica MSC.Patran SensAble Solidworks UGS Solidedge CoCreate OneSpace Designer ICEM Surf PTC DV Mockup
DCC	Discreet 3DS MAX/Combustion Adobe Premiere/After Effects	Alias Maya Alias Studio Tools	Avid SoftImage XSI/3D Avid Xpress Pro
GIS	ESRI ArcGIS 9		**Oil & Gas** SMT, Landmark/GeoGrpahix, EDS, Roxar, Schlumberger/Petrel
Memory	DDR2 SDRAM, 533- or 667-MHz, two SODIMM slots supporting dual channel memory[9], 256/512/1024/2048-MB upgradeable to 4096-MB maximum[1]		
Hard drive(s)[11]	60/80/100-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, 8x DVD-ROM		
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), 15.4-inch WUXGA wide-viewing angle (1920 x 1200 resolution and 16M colors), Ambient Light Sensor		
Graphics	ATI Mobility FireGL V5200 graphics controller with 256 MB of 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, Intel PRO/Wireless 3945BG 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); or Touchpad only with two pick buttons; both with scroll zone		
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, TPM Enhanced DriveLock, integrated Smart Card Reader, optional[6] 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 lb/2.7 kg		
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	One and three-year standard parts and labor limited warranty, depending on country (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

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