



HP xw4400 WORKSTATION

Extreme performance in a flexible entry workstation, at an affordable price.



The HP xw4400 Workstation was engineered to meet the ever-increasing computing demands of engineers, designers, video-editors, and power users. An excellent price/performance value, the HP xw4400 delivers significant performance gains while reducing typical power consumption. Featuring new Intel® Core™ microarchitecture which supports the powerful new Intel Core 2 Duo processors¹, the ISV-certified HP xw4400 is available with a range of graphics, memory and storage choices. It is all delivered in a quiet, convertible, tool-less access chassis which is easy to use, service and upgrade.

If you require workstation performance at a low cost and are looking for flexible deployment, easy serviceability and award winning support, the HP xw4400 Workstation was engineered for you.

Get cutting-edge technology at a PC-like price

The HP xw4400 delivers new third generation dual-core processors, providing significant performance boosts over previous generation single and dual-core processors. Support of the Extreme Edition version is also provided if you desire the fastest clock frequency available or Intel Quad-Core technology.

Intel's 975X Express next generation, high-end performance chipset for Intel processors delivers fast, dual-channel DDR2 667 MHz memory, PCIe x16 graphics, integrated Serial ATA controller with RAID 0/1/5/10 capability.

Advanced high-performance visualization

From professional 2D through high-end 3D graphics, the HP xw4400 has the graphics choice to deliver the visual accuracy and image clarity your job demands. Additionally, the HP xw4400 offers support for multi-display. A second NVIDIA NVS 285 PCIe graphics card enables inexpensive quad display while a second NVIDIA FX 1500 graphics card allows you to use 4 displays with mid-range 3D graphics on each.

Easily convert, access, and service your workstation

The HP xw4400 features a versatile, convertible minitower chassis which allows you to use the workstation as a desktide solution on the floor or in a desktop configuration. The chassis is very easy to convert from one configuration to the other and the workstation can be ordered in either orientation. The HP xw4400's tool-less access chassis design is efficient, open, quiet, easy to maintain, service and upgrade.

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HP recommends Windows Vista™ Business

Form factor	Convertible minitower
Operating systems	Genuine Windows® XP Professional 32-bit Genuine Windows® XP Professional x64 Genuine Windows Vista™ Business 32-bit Genuine Windows Vista™ Business 64-bit Enterprise Linux™ WS 4 64-bit HP Installer Kit for Linux (includes drivers for both 32-bit & 64-bit OS versions of Red Hat Enterprise Linux 3 and 4) Certified on Novell Linux Desktop 9
Available processors	Intel® Pentium® D processor 945/3.4 GHz ² , 2 x 2 MB, 800 MHz FSB ³ ; Intel Core™ 2 Duo Processor E4300/1.80 GHz ² , 2 MB, 800 MHz FSB ³ ; Intel Core 2 Duo Processor E6300/1.86 GHz ² , 2 MB, 1066 MHz FSB ³ ; Intel Core 2 Duo Processor E6320/1.86 GHz ² , 4 MB, 1066 MHz FSB ³ ; Intel Core 2 Duo Processor E6400/2.13 GHz ² , 2 MB, 1066 MHz FSB ³ ; Intel Core 2 Duo Processor E6420/2.13 GHz ² , 4 MB, 1066 MHz FSB ³ ; Intel Core 2 Duo Processor E6600/2.40 GHz ² , 4 MB, 1066 MHz FSB ³ ; Intel Core 2 Duo Processor E6700/2.67 GHz ² , 4 MB, 1066 MHz FSB ³ ; Intel Core 2 Extreme Processor QX6700/Quad-Core ¹ 2.66 GHz ² , 2 x 4 MB, 1066 MHz FSB ³
Chipset	Intel 975X Express
Memory	Up to 8 GB of DDR2-SDRAM 667 MHz ECC unbuffered (8 GB max.) or non-ECC (2 GB max.) in 4 DIMM slots
Drive controllers	Integrated Serial-ATA (SATA) 3 Gb/s interface (4 SATA connectors), with RAID 0, 1, 5, and 10 capability ⁴ ; 1 EIDE interface (2 EIDE connectors) for optical drives; opt. LSI 3041E SAS controller with RAID 0, 1, 1E and 10E capability ⁴ ; LSI 8344ELP 8-port SAS HW RAID Card with RAID 5
Hard drive(s)	Up to 4 drives (2 will require optional expander kits), 3 TB max.; 80, 160 GB ⁵ (10K rpm) SATA 1.5 Gb/s; or 80 GB ⁵ (7200 rpm) SATA 3 Gb/s, 160, 250, 500, 750 GB ⁵ SATA 3 Gb/s NCQ; or 146, 300 GB ⁵ (10K rpm) SAS 3 Gb/s or 73, 146, 300 GB ⁵ (15K rpm) SAS 3 Gb/s
Optical drives	CD-ROM, DVD-ROM, CD-RW/DVD combo, SATA CD-RW/DVD combo, DVD+/- RW Dual-Layer with LightScribe Direct Disc Labeling (Microsoft Windows XP 32-bit only, requires LightScribe media for labeling) ⁶
Drive bays	3 external 5.25-inch bays, 2 internal 3.5-inch bays, 1 external 3.5-inch bay
Slots	6 full length slots: 1 PCI Express (PCIe) x16 graphics, 1 PCIe x16 (x4 electrical) slot, 1 PCIe x1 slot, 3 PCI slots
Graphics	Professional 2D: NVIDIA Quadro NVS 285 (128 MB, up to 2), NVIDIA Quadro NVS 440 (256 MB) – NVS 285 and NVS 440 can be mixed in a single system Entry 3D: NVIDIA Quadro FX 560 (128 MB, up to 2 cards), ATI FireGL V3350 (256 MB) Mid-range 3D: NVIDIA Quadro FX 1500 (256 MB, up to 2 cards), ATI FireGL V7200 (256 MB) High-end 3D: NVIDIA Quadro FX 3500 (256 MB), NVIDIA Quadro FX 4600 with opt. Quadro G-Sync card (512 MB)
Audio	Integrated High Definition audio with Jack Retasking capability, opt. PCI Sound Blaster X-Fi XtremeMusic (Windows XP Professional only)
Network	Integrated Broadcom 5755 NetXtreme Gigabit ⁷ PCIe, opt. Broadcom 5751 NetXtreme Gigabit ⁷ PCIe
Ports	Front: 2 USB 2.0, 1 headphone, 1 microphone, IEEE 1394A (optional) Rear: 5 USB 2.0, 1 standard serial port (opt. 2nd), 1 parallel, 2 PS/2, 1 RJ-45 to integrated Gigabit LAN, Audio In, Audio Out, microphone Internal: 1 USB 2.0 (requires optional "Internal USB Kit" for connecting USB device)
Input devices	PS/2 Scroll Mouse; USB Optical Scroll Mouse; USB 3-Button Optical Mouse; USB SpaceMouse; USB SpaceBall; USB SpacePilot
Dimensions (H x W x D)	17.3 in (44.1 cm) x 6.5 in (16.5 cm) x 17.4 in (44.3 cm)
Power	460 watts, active Power Factor Correction
Monitors	19-inch HP LP1965 Flat Panel Monitor, 20.1-inch HP LP2065 Flat Panel Monitor, 24-inch HP LP2465 Flat Panel Monitor, 30-inch HP LP3065 Flat Panel Monitor
Warranty	Basic three years next business day, parts, labor, and 8x5 phone support; terms and conditions may vary, certain restrictions apply.

Certain Windows Vista product features require advanced or additional hardware. See <http://www.microsoft.com/windowsvista/getready/hardwarereqs.mspx> and <http://www.microsoft.com/windowsvista/getready/capable.mspx> for details. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit <http://www.windowsvista.com/upgradeadvisor>. All HP Personal Workstations are capable of running Genuine Windows Vista Business.

¹ Quad-Core and Dual-Core are new technologies designed to improve performance of multithreaded software products and hardware-aware multitasking operating systems and may require appropriate operating system software for full benefits; check with software provider to determine suitability; Not all customers or software applications will necessarily benefit from use of these technologies.

² GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance.

³ Actual bus clock rate is less. Listed bus speed represents the effective data transfer rate.

⁴ Hardware RAID is not supported on Linux systems. The Linux kernel, with built-in software RAID, provides excellent functionality and performance. It is a good alternative to hardware-based RAID. Please visit <http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00060684/c00060684.pdf> for RAID capabilities with Linux.

⁵ 1 GB = 1 billion bytes. Actual formatted capacity is less.

⁶ Actual speeds may vary. Does not permit copying of commercially available DVD movies or other copy-right protected materials. Intended for creation and storage of your original material and other lawful uses. 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. LightScribe creates a grayscale image similar to black and white photography. LightScribe media required and sold separately.

⁷ 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.

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For more information, visit www.hp.com/go/workstations

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