Image courtesy of SolidWorks

THE COMPUTER IS PERSONAL AGAIN.

Affordable innovation with the power to do more.

HP xw4600 Workstation

Combining next-generation performance technologies into a powerful, flexible and reliable single processor socket workstation, the HP xw4600 Workstation is designed and engineered to give you and your business a professional edge.

Decidedly powerful

Gain a productivity advantage and accomplish more in less time. With outstanding price/performance, the HP xw4600 is an affordable workstation solution based on the new Intel® X38 Express performance chipset and the latest workstation-class Dual and Quad-Core Intel processors. With dual PCIe x16 Gen2 graphics interfaces, the HP xw4600 delivers up to twice the performance bandwidth of previous generation interfaces on your choice of professional 2D or 3D graphics cards while driving up to four 3D or six 2D displays without compromise. Realise savings in power consumption and energy costs with an 80 PLUS efficient power supply and Energy Star® compliant options without sacrificing performance.

Inherently flexible

Make a lasting impact with your financial investment with flexible, workstation-class options/expandability and support up to 8 GB of memory. The computing horsepower of the HP xw4600 allows you to meet the increasingly demanding requirements of graphics and other data-intensive professional applications such as mechanical design, digital content creation, or video editing and more. With more ports and expandability than before, it is easy to add memory, peripherals and

storage as your future requirements change. Like all HP workstations, the HP xw4600 offers a tool-less chassis design for simple serviceability as well as free remote management software and optional Remote Graphics Software to assist in making your work life easier.

Exceedingly reliable

Focus on your priorities and work with true confidence with the comprehensive support of HP and its global partner network backing your system. HP engineers work onsite with ISVs to test and certify applications, OS and hardware configurations to help ensure that applications run better, faster and with greater reliability. Through innovative tools such as the HP Performance Tuning Framework (available free on Microsoft® Windows® – based systems), you can optimise and deliver the highest levels of system performance and application power throughout the life of your HP workstation.

HP xw4600 Workstation

	Convertible Minitower, rack-mountable
Operating system	Genuine Windows Vista® Business (32-bit) Genuine Windows Vista® Business (64-bit) Genuine Windows Vista® Business (32-bit) downgrade to Genuine Windows® XP Professional (32-bit) Genuine Windows Vista® Business (64-bit) downgrade to Genuine Windows® XP Professional x64 Red Hat Enterprise Linux 4 HP Installer Kit for Linux
Product note	Not all Windows Vista® features are available for use on all Windows Vista Capable PCs. All Windows Vista Capable PCs will run the core experiences of Windows Vista, such as innovations in organising and finding information, security, and reliability. Some features available in premium editions of Windows Vista – like the new Windows® Aero™ user interface – require advanced or additional hardware. Check www.windowsvista.com/getready for details
Processor	Intel® Pentium Dual Core™ E2180 (2.00 GHz), Core™ 2 Duo E4500 (2.20 GHz), Core™ 2 Duo E6550 (2.33 GHz), Core™ 2 Duo E6750 (2.66 GHz), Core™ 2 Duo E6850 (3.00 GHz), Core™ 2 Quad Q6600 (2.40 GHz), Core™ 2 Quad Q6700 (2.66 GHz), Core™ 2 Extreme QX6850 (2.93 GHz)
Front Side Bus	Up to 1333 MHz Front Side Bus
Chipset	Intel® X38 Express
Memory	DDR-2 667 or 800 MHz ECC unbuffered
Maximum Memory	Up to 8 GB
Hard drive(s)	Up to 4 SATA drives, 4 TB maximum, 80, 160, 250, 500, 1000 GB (7200 rpm) or 160 GB (10000 rpm) or up to 4 SAS drives, 1.2 TB maximum, 73, 146, 300 GB (15000 rpm) from 7200 to 15000 rpm
Expansion Bays	3 external 5.25" bays and 1 external 3.5" bay for optional floppy drive, 2 internal 3.5" bays
CD-ROM/DVD	SATA 16X DVD-ROM, SATA CD-RW/DV Combo, SATA 16X DVD+/-RW Supermulti with Lightscribe 16 in 1 Media Card Reader (Occupies lowest Optical Bay)
Drive Controllers	Integrated 6 channel SATA 3 Gb/s NCQ controller with RAID capability, optional 4 channel SAS controller with RAID capability
Graphics	Professional 2D: NVIDIA® Quadro® NVS 290 (up to two cards), NVIDIA® Quadro® NVS 440; Entry 3D: NVIDIA Quadro® FX 370 (up to two cards), NVIDIA Quadro FX 570 (up to two cards); Mid-range 3D: NVIDIA® Quadro® FX 1700 (up to two cards), ATI FireGL™ V5600 (up to two cards); High-end 3D: NVIDIA® Quadro FX 3500; NVIDIA® Quadro® FX 4600 (768 MB). All cards are optional and are all PCI Express
Expansion slots	7 slots: 2 PCI Express (x16) Graphics slots, 1 PCI Express (x16 mechanica x4 electrically), 1 PCI Express (x1) and 3 full-length legacy PCI slots
Audio	Integrated High Definition audio with Jack Retasking capability, optional PC Sound Blaster X-Fi Xtreme Music
Networking/communication	Integrated Broadcom 5755 Netxtreme Gigabit PCIe LAN, optional Broadco 5751 Netxtreme Gigabit PCIe
I/O ports and connectors	Front: headphone, microphone, 2 USB 2.0 and 1 optional IEEE 1394A Rea USB 2.0, 1 external SATA, 1 standard serial port, 1 parallel port, 2 PS/2 keyboard and mouse, 1 RJ-45 to integrated Gigabit LAN, audio In, audio O microphone 2 USB 2.0 (internal)
Power	475 watts wide-ranging, active Power Factor Correction, 80 Plus Efficient
Security	HP Solenoid Hood Lock/Sensor Kit, Kensington Security Cable and Lock
Input devices	HP Standard Keyboard (USB or PS/2) 2-button scroll mouse (USB optical or PS/2) or 3-button mouse (USB optical)
Dimensions (W x D x H)	16.8 x 45.6 x 45.0 cm
Weight	Minimum configuration: 15 kg, Maximum configuration: 19 kg
Monitors	HP LP3065 30in Flat Panel Monitor, HP LP2465 24in Flat Panel Monitor, HP LP2065 20.1in Flat Panel Monitor, HP LP1965 19in Flat Panel Monitor (all sold separately)
Warranty	3-year worldwide parts, labour and next business day onsite service Terms and conditions may vary, restrictions apply

For more information, please visit www.hp.com/eur/workstations

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HP xw4600 Workstation

Recommended accessories

**SpaceExplorer USB
3D Input Device**

The intelligent 3D motion controller, deliver all the functions you need, the second you need them. HP is the only vendor also offering a Performance Tuning Framework for simplified installation and uninterrupted productivity.

Product number: RY429AA

**ATI FireGL V5600 512 MB
PCIe Graphics**

Mid-range professional graphics board for CAD, DCC, and visualisation applications. If you're looking for the ultimate price/performance solution, you've just found it.

Product number: GT346AA

**HP 1 GB (1x1 GB)
DDR2-667 ECC unb RAM**

A high-quality memory add-on for users who require increased performance and improved efficiency. Easily run daily applications and tackle increasingly complex design or data simulation.

Product number: PV941A

**HP 512 MB (1x512)
DDR2-667 ECC unb RAM**

A high-quality memory add-on for users who require increased performance and improved efficiency. Easily run daily applications and tackle increasingly complex design or data simulation.

Product number: PV940A

**HP 250 GB SATA 3 Gb/s
NCQ 7200 rpm HDD**

Serial ATA Hard Drives maximise the performance of HP workstations by providing the technologies to meet your increasing storage demands. These 250 GB drives offer all the capacity, reliability and performance you need.

Product number: EA788AA

For more information, please visit www.hp.com/eur/hpoptions