

UNCOVER  
WORKSTATION  
PERFORMANCE  
DESKTOP  
AFFORDABILITY



## HP xw4550 WORKSTATION

Workstation power...uniquely affordable



HP Workstation innovation is now within reach of more small and mid-size businesses with the introduction of the new HP xw4550. Designed and engineered to give you and your business a professional edge, the HP xw4550 Workstation delivers state-of-the-art workstation technology at a compelling new price point.

### Uniquely affordable

The HP xw4550 Workstation puts the power of a highly reliable, professional-class system within your reach. Tested and optimized for MCAD and Digital Content software, the HP xw4550 empowers business users who have outgrown the limits of the traditional PC—combining desktop affordability with the performance, expandability, entry- to mid-range 3D graphics and certified applications of a workstation. Designed to be serviced easily with a toolless chassis and clean interior for easy access, the HP xw4550 Workstation can be configured with a variety of processor speeds and memory configurations.

### Workstation power

Featuring the workstation-class, Second-Generation AMD Opteron™ processor<sup>1</sup>, the HP xw4550 takes advantage of AMD's Direct Connect Architecture, which includes an integrated memory controller

and HyperTransport™ technology links to accelerate performance of bandwidth and compute-intensive applications. With its convertible minitower design, the HP xw4550 provides an efficient footprint system that was engineered to operate quietly and without distraction. Its simultaneous support for 32- and 64-bit applications, 6 storage bays, 4 DIMM slots and up to 4 GB<sup>2</sup> of ECC memory, provides the upgradeability you'd expect from higher-end workstations.

### Consistently reliable

Extensive testing and simulation, and rigorous attention to details are hallmarks of HP design and engineering. The HP xw4550 Workstation is no exception, giving you a high-quality solution you can count on. With features like the energy-saving 80 PLUS power supply, ENERGY STAR® configurations, built-in power management tools, and Performance Tuning Framework—an innovative HP tool to help you optimize your Microsoft®-based workstation's performance—the HP xw4550 allows you to work with confidence and peace of mind with the reliability, solid engineering, quality and support you expect from HP.

# HP XW4550 WORKSTATION

HP recommends Windows Vista® Business

<b>Form factor</b>	Convertible minitower
<b>Operating systems</b>	Genuine Windows Vista® Business 32-bit Genuine Windows Vista® 32-bit downgrade to Genuine Microsoft® Windows® XP Professional 32-bit <sup>3</sup> HP Installer Kit for Linux® (includes driver for 32-bit OS version of Red Hat Enterprise Linux WS4 and WS5) Red Flag Linux v5 (available in China only)
<b>Available processors</b>	Second-Generation AMD Opteron™ 1000 Series processors with HyperTransport <sup>1,4</sup> Second-Generation AMD Opteron processor Model 1212 (2.00 GHz) 1 MB L2 Cache per core <sup>1,4</sup> Second-Generation AMD Opteron processor Model 1214 (2.20 GHz) 1 MB L2 Cache per core <sup>1,4</sup> Second-Generation AMD Opteron processor Model 1216 (2.40 GHz) 1 MB L2 Cache per core <sup>1,4</sup> Second-Generation AMD Opteron processor Model 1218 (2.60 GHz) 1 MB L2 Cache per core <sup>1,4</sup> Second-Generation AMD Opteron processor Model 1220 (2.80 GHz) 1 MB L2 Cache per core <sup>1,4</sup> Second-Generation AMD Opteron processor Model 1222 (3.00 GHz) 1 MB L2 Cache per core <sup>1,4</sup>
<b>Chipset</b>	AMD 690G with ATI Radeon X1250
<b>Memory</b>	Up to 4 GB DDR2 667 MHz ECC; Up to 2 GB DDR2-667 MHz non-ECC; 4 DIMM slots
<b>Drive controllers</b>	Integrated 4-channel SATA 3.0 Gb/s controller with RAID <sup>5</sup> 0, 1 and NCQ
<b>Hard drive(s)</b>	Up to 2 drives, 1000 MB max.; 80, 160, 250, 500 GB <sup>6</sup> (7200 rpm) SATA 3Gb/s NCQ
<b>Optical drives</b>	DVD-ROM (SATA); DVD+/-RW Double Layer, SuperMulti (SATA) with LightScribe Direct Disc Labeling (Microsoft Windows only, requires LightScribe media for labeling) <sup>7</sup> ; 16-in-1 Media Card Reader (occupies lowest Optical Bay)
<b>Drive bays</b>	3 external 5.25-inch bays (3rd external is not full depth); 2 internal 3.5-inch bays: 1 external 3.5-inch bay (for optional floppy drive)
<b>Slots</b>	4 full length slots: 1 PCI Express (PCIe) x16 graphics, a PCI Express (PCIe) x4 (x1 electrical), 2 PCI slots
<b>Graphics</b>	Integrated Graphics: ATI Radeon X1250 Professional 2D: NVIDIA Quadro NVS 290 (256 MB) Entry 3D: NVIDIA Quadro FX 370 (256 MB) and NVIDIA Quadro FX 570 (256 MB) Mid-range 3D: ATI FireGL V5600 (512 MB) and NVIDIA Quadro FX 1700 (512 MB)
<b>Audio</b>	Integrated HD Audio (Realtek ALC262), opt. PCI Sound Blaster X-Fi XtremeGamer
<b>Network</b>	Integrated Broadcom 5755 10/100/1000 LAN (PCIe) <sup>8</sup>
<b>Ports</b>	Front: 2 USB 2.0, optional IEEE 1394, 1 headphone, 1 microphone Rear: 6 USB 2.0, 1 standard serial, 1 RJ-45, 1 audio line in, 1 audio line out Internal: 2 USB 2.0
<b>Input devices</b>	USB standard keyboard, USB Smart Card Keyboard, USB 2-button optical scroll mouse; USB 3-button optical mouse; USB SpaceExplorer; USB SpacePilot; USB laser scroll mouse
<b>Dimensions (H x W x D)</b>	17.7 in (44.9cm) x 6.7in (17.0cm) x 18.0 in (45.7cm)
<b>Power</b>	300W wide-ranging, active Power Factor Correction
<b>Compliance and regulatory</b>	80 PLUS efficient; ENERGY STAR® qualified optional
<b>Monitors (diagonally measured)</b>	HP LP1965 19-inch LCD Monitor; HP LP2065 20-inch LCD Monitor; HP LP2465 24-inch Widescreen LCD Monitor; HP LP3065 30-inch Widescreen LCD Monitor
<b>Warranty</b>	Choice of a one-year or three-year limited warranty and service offering one or three years of on-site, next business day service for parts and labor and includes free telephone support 24 x 7. Certain restrictions and exclusions apply. Service levels and response times for HP Care Packs may vary depending on your geographic location. Restrictions and limitations apply. For details, visit <a href="http://www.hp.com/go/carepack">www.hp.com/go/carepack</a> .

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.

<sup>1</sup> This system requires a separately purchased 64-bit operating system and 64-bit software products to take advantage of the 64-bit processing capabilities of AMD Opteron™ series 1000 processor technology. Dual-core processing available with AMD Opteron™ 1000 series processor technology is a recent technology innovation designed to improve performance of this system. Given the wide range of software applications available, performance of a system including a 64-bit operating system and a dual-core processor will vary.

<sup>2</sup> Above 3 GB, all memory may not be available due to system resource requirements.

<sup>3</sup> Available for end user customers that are a business (including governmental or educational institutions) who are expected to annually order at least 25 Customer Systems with the same Custom Image.

<sup>4</sup> AMD's numbering is not a measurement of clock speed.

<sup>5</sup> 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.

<sup>6</sup> 1 GB = 1 billion bytes. Actual formatted capacity is less. Up to 8 GB of hard drive (or system disk) is reserved for the system recovery software (XP and XP Pro). Up to 12 GB of system disk is reserved for system recovery software. (Vista).

<sup>7</sup> Actual speeds may vary. Does not permit copying of commercially available DVD movies or other copyright 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 monochrome image. LightScribe media required and sold separately. Note that DVD-ROM cannot read or write to 2.6 GB Single-Sided/5.2 GB Double-Sided - Version 1.0 media.

<sup>8</sup> 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/s. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

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