Combining the highest processing and I/O power from Intel with the latest graphics technology from leading graphics providers, the HP xw8200 Workstation delivers dual-processing performance, large computational and visualization capacity, expandability and HP’s renowned reliability. A broad range of ISV-certified 3D and 2D PCI Express (PCIe) graphics solutions are available, along with operating system choices to best fit your requirements. Supporting Extended Memory 64 Technology (EM64T), the HP xw8200 Workstation is engineered to meet your present and future business demands.

**Get the highest performance Intel technology available on a personal workstation**

Intel’s E7525 high-end performance chipset for Intel® Xeon® processors supports dual processing, an 800 MHz system bus (6.4 GB/sec bandwidth) and a dual-channel DDR2 400 MHz SDRAM memory subsystem, putting increased power and efficiency behind demanding applications.

**Expand to meet your performance and storage needs**

Supporting up to five internal HDD, three optical disks, two PCIe, three PCI-X (1 x 133 MHz and 2 x 100 MHz), and 2 PCI slots, the HP xw8200 provides the hard disk space and performance needed for large models and storage-intensive projects.

**Handle very large and complex data sets**

The HP xw8200 implements 8 memory DIMM slots. With 2 GB DIMMs, the HP xw8200 can achieve the largest memory configuration supported by the Intel E7525 chipset - 16 GB on Linux and the Microsoft Windows XP Professional x64 Edition.

**Enable advanced, high-performance visualization**

The PCIe x16 graphics interface provides 4x the total peak bandwidth and 2x the unidirection bandwidth of AGP 8X graphics. HP workstations offer a wide range of graphics choices for applications that are fully supported on the HP xw8200 platform.

**Custom configure your workstation**

HP Performance Tuning Framework, available on HP workstations with Microsoft® Windows®, will guide your setup, allowing a “custom” configuration that best matches the workstation to user requirements. This customization facilitates availability of the latest graphics drivers and removes some memory constraints. For more information, go to: www.hp.com/go/framework
HP xw8200 Workstation
HP recommends genuine Windows® XP Professional.

Specifications

Form factor
Rackable minitower

Operating systems
Preinstalled Microsoft® Windows® XP Professional x64 Edition (64-bit) – workstation is WHQL certified or preinstalled Microsoft Windows XP Professional (32-bit) – workstation is WHQL certified or Microsoft Windows 2000 Professional supported or preinstalled Red Hat Enterprise Linux® WS 3 (64-bit), or HP Installer Kit for Linux (includes 32- and 64-bit drivers for WS 3 & 4)

Available processors
One or two EM64T Intel® Xeon® processor(s) with Hyper-Threading Technology® at 2.80, 3.00, 3.20, 3.40, 3.60 and 3.80 GHz with 2 MB L2 cache, all support 800 MHz Front Side Bus (FSB)

Chipset
Intel E7525 chipset (supports an 800 MHz FSB)

Memory
Up to 16 GB of registered ECC DDR2 400 MHz SDRAM in 8 DIMM slots

Drive controllers
Integrated 2 channel SATA 1.5 Gb/s controller with RAID 0 or 1 capability®, integrated 2 channel Ultra320 SCSI controller with RAID 0 or 1 capability®, opt. 4 channel SATA 1.5 Gb/s controller with RAID 0 or 1 capability®, opt. single channel Ultra320 SCSI controller with RAID 0, 1, 10, 5 capability®

Hard drives
Up to 4 SATA drives, 2 TB max.; 74 GB (10k rpm) SATA 1.5 Gb/s or 80, 250 GB (7200 rpm) SATA 3 Gb/s or 160, 500 GB (7200 rpm) SATA 3 Gb/s NCQ®
Up to 5 Ultra320 SCSI drives, 1.5 TB max.; 73, 146, 300 GB (10k rpm) or 36, 73 GB (15K rpm)

Optical drives
48X CD-ROM, 48X CD-RW, 16X DVD-ROM, 48X CD-RW/DVD combo, 16X DVD+/-RW DL with Lightscribe Direct Disc Labeling (Microsoft Windows 2000 & XP only, requires Lightscribe Media for labeling)

Drive bays
3 external 5.25 inch bays (opt. StorCase enclosure enables 3.5 inch SATA drive to be added to 5.25 inch bay), 5 internal 3.5 inch bays

Slots
7 slots: 1 PCIe x16 graphics slot, 1 PCIe x8 mechanical (x4 electrical), one 133 MHz PCI-X slot, two 100 MHz PCI-X slots, & 2 PCI slots

Graphics
Professional 2D: NVIDIA Quadro NVS 285 with NVIDIA TurboCache technology (PCIe)
Entry 3D: NVIDIA Quadro FX 540 (PCIe), ATI FireGL V3100 (PCIe)
Midrange 3D: NVIDIA Quadro FX 1400, ATI FireGL V5100 (PCIe)
High-end 3D: NVIDIA Quadro FX 3450 (PCIe), NVIDIA Quadro FX 4500 (PCIe) with opt. Quadro G-Sync card

Audio
Integrated AC’97/16-bit stereo full-duplex, opt. SoundBlaster X-Fi XtremeMusic (PCI), opt. Sound Blaster Audigy 2 ZS (PCI)

Network
Integrated Intel Pro/1000 MT Gigabit LAN-On-Motherboard, opt. Intel Pro MT/1000 or opt. Intel Pro GT/1000 NIC (PCI), opt. Intel Pro/1000 XT NIC (PCI-X), opt. Broadcom Gigabit NIC (PCI)

Ports
Front: Headphone, microphone, and 2 USB 2.0, 1 IEEE 1394
Rear: 6 USB, 1 standard serial port, 1 parallel port, PS/2 keyboard and mouse, 1 RJ-45, 1 audio in, 1 audio out, 1 IEEE 1394

Input devices
USB or PS/2 keyboard; choice of 2-button scroll mouse (optical or mechanical); USB 3-button mouse (optical); USB SpaceBall, USB SpacePilot

Dimensions (H x W x D)
17.9 inches (45.5 cm) x 8.3 inches (21.0 cm) x 20.7 inches (52.5 cm)

Power
600 watts

Warranty
Basic 3 years next business day, parts, labor, and 8x5 phone support; terms and conditions may vary, certain restrictions apply

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

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