

HP xw8200 Workstation



HP recommends Microsoft® Windows® XP Professional for Business.

The HP xw8200 Workstation is the ultimate blend of performance and expandability. Combining the latest processing and I/O power from Intel®, new graphics technology from leading graphics providers, the xw8200 delivers top-of-the-line dual-processing performance, visualisation capacity, expandability, along with all the reliability you would expect from HP. This minitower/rack mountable workstation is intelligently engineered to meet present and future business demands of all designers, mechanical engineers and equipment manufacturers.

Latest technology for excellent workstation performance and exceptional storage capability

The HP xw8200 is designed around Intel's E7525 next generation, high-end performance chipset for Intel Xeon™ processors which supports dual-processing, an 800 MHz system bus (6.4 GB/sec bandwidth) and a dual channel DDR-2 400MHz ECC memory. New Intel Xeon processors have doubled the cache of previous Xeon systems (1 MB) 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 PCI Express, three PCI-X (1 x 133 MHz and 2 x 100 MHz), and 2 PCI slots, this exceptional workstation provides all 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, and with 2 GB DIMMs can achieve the largest memory configuration supported by the Intel E7525 chipset – 16 GB on Linux and on future Microsoft® Windows® XP Professional 64-bit edition.

Accommodate today's and tomorrow's application demands

Intel Extended Memory 64 technology (EM64T) expands addressable memory space to 256 TB, allowing users to design and manipulate huge data sets or models. This enhancement to Intel's processor portfolio should provide an easy transition path from 32-bit to 64-bit computing, enabling 32-bit applications to run at full performance on an architecture also capable of supporting 64-bit operating systems and applications.

Exceptional graphics performance

The PCI Express (x16) graphics interface provides four times the total peak bandwidth and two times the unidirectional bandwidth of AGP 8X graphics. The HP Leadership Graphics Program offers a wide range of graphics choices for applications that are fully supported on the HP xw8200 platform.

High-performance, most expandable dual-processing workstation with the latest technology



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Form factor	Minitower, rack-mountable
Operating system / software	Microsoft® Windows® XP Professional, Red Hat Enterprise Linux® WS 3.0; HP Installer Kit for Linux
Processor	One or two Intel® Xeon™ processor(s) at 2.8, 3.0, 3.2, 3.4, and 3.6 GHz with 1 MB L2 cache, Intel® Extended Memory 64 technology and Hyper-Threading Technology 1 MB L2 cache
Front Side Bus	800 MHz front side bus
Chipset	Intel® E7525
Memory	DDR-2 400MHz ECC Up to 16 GB
Expansion Bays	3 external 5.25" bays 5 internal 3.5" bays
Drive Controllers	Integrated dual channel SATA/150 controller with RAID (0 or 1) capability, integrated dual channel Ultra320 SCSI controller with RAID (0 or 1) capability, optional 4 channel SATA controller with RAID (0 or 1) capability, optional single channel Ultra320 SCSI controller with RAID (0, 1, 01, 5) capability
Hard drive(s)	Up to 4 SATA drives, 1.6 TB max.; 40, 80, 160, 250, 400 GB (7200 rpm); 74 GB (10k rpm); Up to 5 Ultra320 SCSI drives, 1.5 TB max.; 73, 300 GB (10K rpm) or 36, 73, 146 GB (15k rpm) Hard disk speed available from 7,200 rpm to 15,000 rpm
Removable media	48X CD-ROM, 48X CD-RW, 16X DVD-ROM, 48X CD-RW/DVD combo, 16X DVD+/-RW
Expansion slots	7 slots: 1 PCI Express (x16) Graphics slot, 1 PCI Express (x8 mechanically, x4 electrically), 1 133 MHz PCI-X slot, 2 100 MHz PCI-X slots, and 2 legacy PCI slots
Graphics	NVIDIA Quadro NVS 280 PCI NVIDIA Quadro NVS 280 PCI Express NVIDIA Quadro FX 330 PCI Express ATI FireGL V3100 PCI Express NVIDIA Quadro FX 540 PCI Express NVIDIA Quadro FX 1300 PCI Express NVIDIA Quadro FX 1400 PCI Express ATI FireGL V5100 PCI Express NVIDIA Quadro FX 3400 PCI Express
Audio	AC'97/16-bit stereo full-duplex, optional SoundBlaster Audigy 2-ZS PCI
I / O ports and connectors	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
Networking / communication	Integrated Intel® Pro MT 10/100/1000 LAN, optional Intel® Pro MT PCI NIC, optional Intel® Pro XT PCI-X NIC, optional Broadcom Gbit PCI or PCIe NIC
Power	600 watts
Security	Standard, side cover key lock, USB ports can be deactivated, padlock loop, Kensington lock provision, universal chassis clamp lock, chassisintrusion sensor
Input devices	2-button scroll mouse (optical or mechanical) or 3-button mouse (optical or mechanical); HP Standard Keyboard (USB or PS/2)
Dimensions (w x d x h)	210 x 525 x 455 mm
Weight	Minimum configuration: 19 kg; Maximum configuration: 24 kg
Monitors	HP p1230 22 inch CRT, HP L1955 19 inch flat panel, HP L2035 20.1 inch flat panel, HP L2335 23 inch flat panel
Warranty	3 years world-wide parts, labor, next business day on-site



Screen image courtesy of SolidWorks Corporation

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5982-9724EEE. December 2004

