



## DU935AV - HP xw8200 Base Model Workstation



### Summary

Bringing powerful, intelligently engineered workstations to power users who demand IT that performs – with uncompromising graphics and speed. HP Workstations are easy-to-buy, quick-to-deploy and simple-to-maintain solutions that support businesses, grow with complex needs and anticipate challenges.

### Related products

### Key Features

- The HP xw8200 is designed around Intel's E7525 new 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 feature an expanded 2MB cache putting increased power and efficiency behind demanding applications.
- Supporting up to five internal HDD, two PCIe, 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.
- 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 Microsoft® Windows® XP Professional 64-bit edition.
- Intel EM64T expands addressable memory space to 256 TB, allowing users to design and manipulate large 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.
- The PCIe (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.

### Technical Specifications

Audio	
Audio	AC'97/16-bit stereo full-duplex, optional SoundBlaster Audigy 2-ZS PCI
	AC'97/16-bit stereo full-duplex, optional

Internal audio	SoundBlaster Audigy 2-ZS PCI
<b>Displays</b>	
Display	HP L1755 17in Flat Panel Monitor, HP L1955 19in Flat Panel Monitor, HP L2035 20.1in Flat Panel Monitor, HP L2335 23in Flat Panel Monitor (all sold separately)
Display features	HP L1755 17in Flat Panel Monitor, HP L1955 19in Flat Panel Monitor, HP L2035 20.1in Flat Panel Monitor, HP L2335 23in Flat Panel Monitor (all sold separately)
<b>Expansion slots</b>	
Expansion slot	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
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<b>Input devices</b>	
Keyboard	HP Standard Keyboard (USB or PS/2)
Keyboard	PS/2 keyboard
Pointing device	2-button scroll mouse (optical or mechanical) or 3-button mouse (optical or mechanical)
Pointing device	PS/2 scroll mouse
<b>Memory</b>	
Memory type	DDR-2 Synch DRAM PC3200
Memory type	DDR-2 400MHz ECC
Maximum memory	16 GB
Memory slots	8 DIMM slots
Memory slots	8 DIMM slots
Cache	2 MB L2 cache
Cache external	2 MB L2 cache
<b>Networking</b>	

Network interface	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 PCI-E NIC
Network interface	Intel® Pro MT 10/100/1000 LAN
<b>Ports</b>	
I/O port	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
External I/O 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
<b>Power</b>	
Power requirements	600 watts
Power requirements	600 watts
<b>Processor</b>	
Chipset	Intel® E7525
Chipset	Intel® E7525
<b>Software</b>	
Operating system software	Microsoft® Windows® XP Professional or Red Hat Enterprise Linux® WS 3.0 or HP Installer Kit for Linux
Operating system software 01	Genuine Windows XP Professional x64 Edition Genuine Windows XP Professional SP2 Red Hat Enterprise Linux WS 3.0 HP Installer Kit for Linux
Operating system software 02	Genuine Windows XP Professional x64 Edition Genuine Windows XP Professional SP2 Red Hat Enterprise Linux WS 3.0 HP Installer Kit for Linux
Operating	Genuine Windows XP Professional x64 Edition

system software 03	Genuine Windows XP Professional SP2 Red Hat Enterprise Linux WS 3.0 HP Installer Kit for Linux
Operating system software 04	Genuine Windows XP Professional x64 Edition Genuine Windows XP Professional SP2 Red Hat Enterprise Linux WS 3.0 HP Installer Kit for Linux
Compatible operating systems	Microsoft® Windows® XP Professional or Linux Red Hat Enterprise WS 3.0 pre- installed, Microsoft® Windows® 2000 Professional, Red Hat Linux 7.2, 7.3 validated
<b>Storage</b>	
Optical drives	48X CD-ROM, 48X CD-RW, 16X DVD-ROM, 48X CD-RW/DVD combo, 16X DVD+/-RW
Flexible disk drive	Floppy drive 3.5" 1.44MB
Flexible disk drive	Optional floppy
Hard disk drive	Up to 4 SATA drives, 1.6 TB maximum, 80, 160, 250, 500 GB (7200 rpm) or 74 GB (10000 rpm); Up to 5 Ultra320 SCSI drives, 1.5 TB maximum, 73, 146, 300 GB (10000 rpm) or 36, 73 GB (15000 rpm)
Hard disk speed	From 7200 to 15000 rpm
Disk subsystem controller	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
Internal drive bays	5 internal 3.5" bays
Internal drive bays	3 5.25-in
External drive bays	3 external 5.25" bays
External drive bays	3 external 5.25" bays
<b>System</b>	
Chassis	Minitower, rack-mountable

Chassis type	Rackable minitower
Manageability features	System Management BIOS 2.3.5
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Security management	Standard, side cover key lock, USB ports can be deactivated, padlock loop, Kensington lock provision, universal chassis clamp lock, chassis intrusion sensor
Security management	Standard, side cover key lock, USB ports can be deactivated, padlock loop, Kensington lock provision, universal chassis clamp lock, chassis intrusion sensor
System bus	800 MHz
System bus	800 MHz Front Side Bus
<b>Video</b>	
Graphic card 01	Professional 2D: NVIDIA Quadro NVS 285 PCI Express (64 MB); Entry 3D: ATI FireGL V3100 PCI Express (128 MB), NVIDIA Quadro FX 540 PCI Express (128 MB); Mid-range 3D: NVIDIA Quadro FX 1400 PCI Express (128 MB), ATI FireGL V5100 PCI Express (128 MB); High-end 3D: NVIDIA Quadro FX 3450 PCI Express (256 MB); All cards are optional

### Environmental information

Operating humidity range	8 to 85% RH
Operating temperature range	5 to 35° C
Non-operating altitude	9100 m
Operating temperature range	5 to 35° C
Non-operating altitude	9100 m

### Physical information

Weight	Minimum configuration: 19 kg; Maximum configuration: 24 kg

<b>Dimensions (W x D x H)</b>	21.0 x 52.5 x 45.5 cm
<b>Dimensions, metric</b>	21.0 x 52.5 x 45.5 cm

**Legal Disclaimer**

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 [www.windowsvista.com/upgradeadvisor](http://www.windowsvista.com/upgradeadvisor).

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