HP Z800 WORKSTATION

The ultimate in power and expandability

Combining ultimate performance with a revolutionary new industrial design, the HP Z800 Workstation delivers the extreme speed and massive expandability that you demand to tackle your biggest challenges.

Innovation that transforms the way you work
Designed for speed, inside and out, the new HP Z800 revolutionizes workstation industrial design. Featuring brushed aluminum side panels, integrated handles, visually cable-less engineering that maximizes airflow, modular component removal and reconnect, and optional liquid cooling, this is a system you'll want everyone to see.

- Minimize power and cooling costs with ENERGY STAR® qualified configurations featuring 85% or 89% efficient power supplies and HP WattSaver which, when activated, lowers energy consumption to less than 1 Watt in off mode
- See, share, and show your work across the world with built-in HP SkyRoom collaboration solution which combines real-time 3D graphics sharing and video conferencing

Performance to help you accomplish more every minute
Get massive, whole-system computational power from a workstation that optimizes the way the processor, memory, graphics, OS, and software technology work together.

- Process more tasks faster with the massive horsepower of quad-core Intel® Xeon® processors[1] and Intel® QuickPath Technology
- Bring the performance of a small cluster to a workstation with the NVIDIA® Tesla™ C1060 computing processor
- Customize your HP Z800 with faster and larger memory capacity and large-scale storage
- Choose from a breadth of operating systems and new professional graphics options from NVIDIA and ATI

Reliability from legendary, confidence-inspiring quality
- Close ISV relationships help ensure that HP Workstations are fully certified and optimized for your applications
- In-depth testing and quality assurance keep you productively up-and-running
- HP Performance Advisor helps ease configuration and updates while optimizing a range of applications
- Comprehensive, lifetime HP Total Care options, easy HP financing solutions, and an array of monitors and other accessories make HP Workstations easy to own and use

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Windows®. Life without Walls™. HP recommends Windows 7.

Form factor	Rackable minitower
Operating systems	Genuine Windows® 7 Professional 32-bit* Genuine Windows® 7 Professional 64-bit* Genuine Windows® XP Professional 32-bit available through downgrade rights from Windows® 7 Professional 32-bit*,† Genuine Windows® XP Professional 64-bit available through downgrade rights from Windows® 7 Professional 64-bit*,† Genuine Windows® XP Professional 32-bit available through downgrade rights from Windows Vista® Business**,† Genuine Windows® XP Professional 64-bit available through downgrade rights from Windows Vista® Business**,† Genuine Windows Vista® Business 32-bit** Genuine Windows Vista® Business 64-bit** HP Installer Kit for Linux (includes drivers for both 32-bit and 64-bit OS versions of Red Hat Enterprise Linux WS4 and WS5) Parallels® Workstation 4.0 Extreme Red Hat Enterprise Linux WS5 (as drop-in-the-box only)
Available processors	Intel® Xeon® processor[1,2] E5504[3], 2.00 GHz, 4 MB cache, 800 MHz memory, Quad-Core Intel Xeon processor[1,2] E5506[3], 2.13 GHz, 4 MB cache 800 MHz memory, Quad-Core Intel Xeon processor[1,2] E5520[3], 2.26 GHz, 8 MB cache, 1066 MHz memory, Quad-Core Intel Xeon processor[1,2] E5530[3], 2.40 GHz, 8 MB cache, 1066 MHz memory, Quad-Core Intel Xeon processor[1,2] E5540[3], 2.53 GHz, 8 MB cache, 1066 MHz memory, Quad-Core Intel Xeon processor[1,2] X5550[3], 2.66 GHz, 8 MB cache, 1333 MHz memory, Quad-Core Intel Xeon processor[1,2] X5560[3], 2.80 GHz, 8 MB cache, 1333 MHz memory, Quad-Core Intel Xeon processor[1,2] X5570[3], 2.93 GHz, 8 MB cache, 1333 MHz memory, Quad-Core Intel Xeon processor[1,2] W5580[3], 3.20 GHz, 8 MB cache, 1333 MHz memory, Quad-Core Intel Xeon processor[1,2] W5590[3], 3.33 GHz, 8 MB cache, 1333 MHz memory, Quad-Core Intel Xeon processor[1,2] E5507[3], 2.26 GHz, 4 MB cache, 800 MHz memory, Quad-Core Intel Xeon processor[1,2] E5620[3], 2.40 GHz, 12 MB cache, 1066 MHz memory, Quad-Core Intel Xeon processor[1,2] E5630[3], 2.53 GHz, 12 MB cache, 1066 MHz memory, Quad-Core Intel Xeon processor[1,2] E5640[3], 2.66 GHz, 12 MB cache, 1066 MHz memory, Quad-Core Intel Xeon processor[1,2] X5650[3], 2.66 GHz, 12 MB cache, 1333 MHz memory, Six-Core Intel Xeon processor[1,2] X5660[3], 2.80 GHz, 12 MB cache, 1333 MHz memory, Six-Core Intel Xeon processor[1,2] X5667[3], 3.06 GHz, 12 MB cache, 1333 MHz memory, Quad-Core Intel Xeon processor[1,2] X5670[3], 2.93 GHz, 12 MB cache, 1333 MHz memory, Six-Core Intel Xeon processor[1,2] X5677[3], 3.46 GHz, 12 MB cache, 1333 MHz memory, Quad-Core Intel Xeon processor[1,2] X5680[3], 3.33 GHz, 12 MB cache, 1333 MHz memory, Six-Core
Chipset	Intel 5520 (Dual)
Memory[4]	12 DIMM slots, up to 192 GB, 6-channel DDR3 1333 MHz, 3 channels per CPU (actual memory speed dependent on processor capability)
Drive controllers[5]	Integrated 6-channel 3Gb/s controller, RAID 0, 1, 5, 10 capable; Integrated 8-channel SAS controller, RAID 0, 1, 10 capable; Optional LSI 8888 ELP 8-port SAS HW RAID 0, 1, 5, 10 capable
Hard drive(s)[6]	Up to (5) 3.5-inch 7200 rpm SATA drives: 160, 250, 320, 500 GB, 1, 1.5, 2 TB, 10 TB max; Up to (6) 2.5-inch 10K rpm SATA drives: 160, 300 GB SFF, 1.8 TB max; Up to (5) 3.5-inch 15K rpm SAS drives: 146, 300, 450, 600 GB, 3 TB max (5 x 600 GB)
Optical drives[7,8]	DVD-ROM, DVD+/-RW, Slot-load DVD+/-RW, Blu-Ray Writer
Drive bays	3 external 5.25-inch bays, 4 internal 3.5-inch bays, Up to 4 eSATA, Up to 8 external SAS
Slots	2 PCI Express Gen2 x16, 2 PCI Express Gen2 x16 mechanical/x8 electrical, 1 PCI Express Gen2 x8 mechanical/x4 electrical, 1 PCI Express Gen1 x8 mechanical/x4 electrical, 1 PCI
Graphics **(dual graphics on selected cards)**	**Professional 2D:** NVIDIA Quadro NVS 295 (256 MB) **Entry 3D:** NVIDIA Quadro FX 380 (256 MB), ATI FirePro V3700 (256 MB), NVIDIA Quadro FX 580 (512 MB) **Midrange 3D:** NVIDIA Quadro FX 1800 (768 MB), ATI FirePro V5700 (512 MB) **High-end 3D:** NVIDIA Quadro FX 3800 (1 GB), ATI FirePro V7750 (1 GB), NVIDIA Quadro FX 4800 (1.5 GB), Elemental Accelerator Software for NVIDIA Quadro, NVIDIA Quadro FX 5800 (4 GB), NVIDIA Tesla C1060
Audio	High-definition integrated Realtek ALC262 Audio, optional Creative X-Fi Titanium PCIe Audio Card, optional HP Thin USB Powered Speakers
Network	Integrated Dual Broadcom 5764 LAN, Infineon TPM 1.2 Controller, Optional Broadcom NIC, Optional Intel NIC
Ports	**Front:** 3 USB 2.0, 1 IEEE 1394a, 1 microphone in, 1 headphone out, HP 22-in-1 Media Card Reader **Rear:** 6 USB 2.0, 1 IEEE 1394a, 1 audio in, 1 audio out, 1 microphone in, 2 PS/2, 2 RJ-45 to integrated Gb LAN, 1 serial **Internal:** 3 USB 2.0
Input devices	PS/2 standard keyboard, USB standard keyboard, USB Smart Card Keyboard, PS/2 optical scroll mouse, USB 2-button optical scroll mouse, USB 3-button optical mouse, USB SpaceExplorer, USB SpacePilot, USB Laser Scroll Mouse
Dimensions (H x W x D)	17.5 x 8.0 x 20.7 in (44.51 x 20.35 x 52.65 cm)
Power supply	850 watts 85% efficient power supply or 1110 watts 89% efficient power supply; direct connect power supplies
Monitors (screen size diagonally measured)	HP LP1965 19-inch LCD Monitor, HP LP2065 20-inch LCD Monitor, HP LP2275w 22-inch Widescreen LCD Monitor, HP LP2475w 24-inch Widescreen LCD Monitor, HP DreamColor LP2480zx Professional Display (24-inch diagonal widescreen), HP LP3065 30-inch Widescreen LCD Monitor
Warranty	Limited three-year next business day[9], parts, labor and 24 x 7 phone support; Terms and conditions may vary.

4AA2-4398ENW, March 2010