



The ultimate in power and expandability

HP recommends Windows Vista® Business.

HP Z800 Workstation

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, among many other signature HP Workstation innovations, this is a system you'll want everyone to see; minimize power and cooling costs with ENERGY STAR® qualified systems featuring 85% or 88% efficient power supplies and an HP-developed energy-saving feature that helps lower energy consumption 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—in less time—with the massive computational horsepower of the new quad-core Intel® Xeon® processors ¹ and Intel® QuickPath Technology architecture; customize your HP Z800 with faster and larger memory capacity and large-scale storage; choose from a breadth of operating system choices and new professional graphics options from ATI and NVIDIA.

Reliable and legendary confidence-inspiring quality

Close relationships with ISVs 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 Tuning Framework 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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Form factor	Rackable minitower
Operating system	Genuine Windows Vista® Business with downgrade to Windows XP Professional custom installed Genuine Windows Vista® Business 32-bit Genuine Windows Vista® Business 64-bit Red Hat Enterprise Linux WS 5 64-bit
Compatible operating systems	HP Installer Kit for Linux
Product note	Not all Windows Vista® features are available for use on all Windows Vista Capable PCs. All Windows Vista Capable PCs will run the core experiences of Windows Vista, such as innovations in organizing and finding information, security, and reliability. Some features available in premium editions of Windows Vista – like the new Windows® Aero™ user interface – require advanced or additional hardware. Check www.windowsvista.com/getready for details.
Processor	Intel® Xeon® Quad-Core processor (2.00 to 3.20 GHz, 4 to 8 MB L2 cache, 800 to 1333 MHz Memory)
Chipset	Dual Intel® 5520
Memory	DDR3 1333 MHz ECC Unbuffered or Registered DIMMs
Maximum Memory	Up to 192 GB
Hard drive(s)	Up to 5 3.5" SATA drives, or up to 6 2.5" SATA drives, or up to 5 3.5" SAS drives From 7200 to 15000 rpm
Expansion Bays	3 external 5.25" bays (up to 4 eSATA, up to 8 SAS) 4 internal 3.5" bays
CD-ROM/DVD	HP SATA DVD-ROM Drive, HP SATA DVD+/-RW Drive, HP SATA Slot-load DVD+/-RW Drive, HP SATA Blu-Ray Writer
Drive Controllers	Integrated 6 channel SATA 3 Gb/s controller with RAID (0, 1, 5 or 10) capability, integrated 8 channel SAS controller with RAID (0, 1 or 10) capability, optional LSI 8888 ELP 8-port SAS HW with RAID (0, 1, 5 or 10) capability
Graphics	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), NVIDIA Quadro CX (1.5 GB), NVIDIA Quadro FX 5800 (4 GB). All cards are optional and are all PCI Express.
Expansion slots	1 PCI, 1 PCI Express Gen1 (x8 mechanically, x4 electrically), 1 PCI Express Gen2 (x8 mechanically, x4 electrically), 2 PCI Express Gen2 (x16 mechanically, x8 electrically), 2 PCI Express Gen2 x16
Audio	Integrated High Definition Realtek ALC262 Audio, optional Creative X-Fi Titanium PCIe Audio Card, optional HP Thin USB Powered Speakers
Networking / communication	Integrated dual Broadcom 5764, TPM 1.2 Controller, optional Broadcom NIC, optional Intel NIC
I/O ports and connectors	Front: 3 USB 2.0, 1 IEEE 1394a, 1 microphone in, 1 headphone out 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 Gigabit LAN, 1 serial Internal: 3 USB 2.0
Power	850 or 1110 watts wide-ranging, active Power Factor Correction, direct connection Power Supplies
Security	Security Cable with Kensington Lock, HP Solenoid Hood Lock & Hood Sensor
Input devices	HP Standard Keyboard (USB or PS/2) or USB Smart Card Keyboard USB 2-Button Optical Scroll Mouse, USB 3-Button Optical Mouse, USB SpaceExplorer, USB SpacePilot or USB Laser Scroll Mouse
Dimensions (W x D x H)	20.35 x 52.65 x 44.51 cm
Weight	Minimum configuration: 19.5 kg Maximum configuration: 29 kg
Monitors	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 widescreen), HP LP3065 30-inch Widescreen LCD Monitor (all sold separately)
Warranty	3-year worldwide parts, labour and next business day onsite service Terms and conditions may vary, restrictions apply

¹ Quad-Core technologies are designed to improve performance of multithreaded software products and hardware-aware multitasking operating systems and may require appropriate operating system software for full benefits
check with software provider to determine suitability
not all customers or software applications will necessarily benefit from use of these technologies.

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

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Recommended accessories and services

NVIDIA Quadro FX3800 1GB PCIe Graphics Card



The NVIDIA Quadro FX 3800 professional 3D graphics board delivers high-end workstation graphics for CAD, DCC and visualization applications, featuring NVIDIA's new unified architecture

Product number: FY949AA

NVIDIA Quadro FX4800 1.5GB PCIe Graphics Card



Professional applications take advantage of the card's advanced feature set, including 1.5 GB of graphics memory and high color fidelity, providing the right set of tools to deliver results that push the realms of visual computing

Product number: FQ138AA

HP 2GB (1x2GB) DDR3-1333 ECC Memory



Upgrading your memory is a cost-effective way to improve system performance when insufficient memory and hard drive paging is slowing your applications down

Product number: FX699AA

HP 4GB (1x4GB) DDR3-1333 ECC Registered Memory



Upgrading your memory is a cost-effective way to improve system performance when insufficient memory and hard drive paging is slowing your applications down

Product number: FX621AA

HP SpacePilot USB 3D Input Device



The industry's first intelligent 3D motion controller, delivering all the functions you need, the second you need them. HP is the only vendor also offering a Performance Tuning Framework for simplified installation and uninterrupted productivity.

Product number: EF390AA

3 years 4-hour 13x5 Onsite Workstation HW Support



Improve your hardware availability and productivity with this prompt HP onsite support service. Extend your hardware warranty coverage with prompt service for key systems and devices.

Product number: U8303E