



Maximum computing power in minimal space

HP recommends Windows Vista® Business.

## HP Z600 Workstation

The HP Z600 packs eight-core compute and visualization power into a small, quiet package—for the ideal workstation when every inch, watt and decibel make a difference.

### **Innovation that transforms the way you work**

The HP Z600's sleek new industrial design—brushed aluminum, tool-less access chassis, integrated handles and visually cable-less engineering—creates new standards for ease of service, lowered acoustics and energy efficiency; enhance your work area with HP's quietest workstation, designed to fit where space is at a premium; minimize power and cooling costs with ENERGY STAR® qualified systems featuring 85% 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 the new HP SkyRoom collaboration solution, which combines real-time 3D graphics sharing and video conferencing.

### **Performance to help you accomplish more every minute**

The HP Z600 is engineered to optimize the way processor, memory, graphics, OS and software technology work together to deliver massive, whole-system computational power; tackle bigger problems faster and process more tasks and threads in parallel with the new Intel® QuickPath Technology architecture and new Intel® Xeon® processors<sup>1</sup> with integrated memory controllers; get maximum I/O bandwidth and expandability from a range of Gen2 PCI Express slots and optical drives and up to 5 storage bays; choose the simplified HP Installer Kit for Linux installation or a breadth of Microsoft® Windows® selections; drive up to 8 displays with new dual graphics support and the latest NVIDIA and ATI graphics cards.

### **Reliable and legendary confidence-inspiring quality**

Close relationships with ISVs help ensure full certification for your applications; in-depth testing and quality assurance keep you productively up-and-running; HP Performance Tuning Framework helps ease configuration and updates and maximize a range of applications; comprehensive, lifetime HP Total Care options provide personal attention, convenient tools and reliable service.



# HP Z600 Workstation

HP recommends Windows Vista® Business.

<b>Form factor</b>	Minitower, rack-mountable
<b>Operating system</b>	Genuine Windows Vista® Business with downgrade to Windows XP Professional custom installed Genuine Windows Vista® Business 32-bit Genuine Windows Vista® Business 64-bit HP Installer Kit for Linux
<b>Compatible operating systems</b>	Red Hat Enterprise Linux WS 5 64-bit, Novell Suse SLED 11
<b>Product note</b>	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 <a href="http://www.windowsvista.com/getready">www.windowsvista.com/getready</a> for details.
<b>Processor</b>	One or two Intel® Xeon® Quad-Core processors E5504 / E5506 / E5520 / E5530 / E5540 / E5550 / E5560 / E5570 (2.00 to 2.93 GHz, 4 to 8 MB L2 cache, 800 to 1333 MHz Memory)
<b>Chipset</b>	Intel® 5520
<b>Memory</b>	DDR3 1333 MHz ECC Unbuffered DIMMs
<b>Maximum Memory</b>	Up to 24 GB
<b>Hard drive(s)</b>	Up to 3 3.5" SATA drives, 160, 250, 320 or 500 GB, 1 or 1.5 TB (7200 rpm), or up to 4 2.5" SATA drives, 160 or 300 GB SFF (10000 rpm), or up to 3 3.5" SAS drives, 146, 300, 450 or 600 GB (15000 rpm) From 7200 to 15000 rpm
<b>Expansion Bays</b>	2 external 5.25" bays 2 internal 3.5" bays (up to 3 with converter)
<b>CD-ROM/DVD</b>	HP SATA DVD-ROM Drive, HP SATA DVD+/-RW Drive, HP SATA Slot-load DVD+/-RW Drive, HP SATA Blu-Ray Writer
<b>Drive Controllers</b>	Integrated 6 channel SATA 3 Gb/s controller with RAID (0, 1, 5 or 10) capability, optional SAS controller, LSI 3041E 4-port SAS/SATA, with RAID (0, 1 or 10) capability
<b>Graphics</b>	Professional 2D: NVIDIA Quadro NVS 295 (256 MB), NVIDIA Quadro NVS 450 (512 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). All cards are optional and are all PCI Express. Dual Graphics on selected cards.
<b>Expansion slots</b>	2 PCI Express Gen2 x16, 1 PCI Express Gen2 (x8 mechanically, x4 electrically), 1 PCI Express Gen1 (x8 mechanically, x4 electrically), 2 PCI
<b>Audio</b>	Integrated High Definition Realtek ALC262 Audio, optional Creative X-Fi Titanium PCIe Audio Card, optional HP Thin USB Powered Speakers
<b>Networking / communication</b>	Integrated Broadcom 5764 10/100/1000 PCIe LAN, optional Broadcom NIC, optional Intel NIC
<b>I/O ports and connectors</b>	Front: 3 USB 2.0, 1 microphone in, 1 headphone out, optional 1 IEEE 1394a Rear: 6 USB 2.0, 1 audio in, 1 audio out, 1 microphone in, 2 PS/2, 1 RJ-45 to integrated Gigabit LAN, optional 1 serial Internal: 3 USB 2.0
<b>Power</b>	650 watts wide-ranging, active Power Factor Correction, 85% efficient Power Supply
<b>Security</b>	HP Solenoid Hood Lock & Hood Sensor, optional Security Cable with Kensington Lock, optional HP Solenoid Lock
<b>Input devices</b>	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
<b>Dimensions (W x D x H)</b>	16.53 x 44 x 44.51 cm
<b>Weight</b>	Minimum configuration: 15 kg Maximum configuration: 19 kg
<b>Monitors</b>	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)
<b>Warranty</b>	3-year worldwide parts, labour and next business day onsite service Terms and conditions may vary, restrictions apply

<sup>1</sup> 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.

© 2009 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Certain Windows Vista® product features require advanced or additional hardware. See <http://www.microsoft.com/windowsvista/getready/hardwarereqs.aspx> and <http://www.microsoft.com/windowsvista/getready/capable.aspx> 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).  
Intel, Xeon and QuickPath are trademarks of Intel Corporation in the U.S. and other countries. Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation. Windows Vista® is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

For more information, please visit [www.hp.com/eur/workstations](http://www.hp.com/eur/workstations)

4AA2-4465EEE. March 2009



## Recommended accessories and services

### NVIDIA Quadro NVS 450 512MB PCIe Graphics Card



The NVIDIA Quadro NVS 450 512MB PCI-Express quad-head graphics controller offers business professionals maximum screen real estate for the utmost in productivity

Product number: FH519AA

### HP 1GB (1x1GB) 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: FX698AA

### 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 500 GB SATA 3.0Gb/s NCQ 7200 rpm Hard Drive



Serial ATA Hard Drives maximise the performance of HP Workstations by providing the technologies to meet your increasing storage demands. These 500 GB drives offer all the capacity, reliability and performance you need.

Product number: PV943A

### 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