



## HP Z600 Workstation

Maximum computing power in minimal space

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



HP recommends Windows® 7.

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Engineered to perform: 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.

Sleek new industrial design: brushed aluminum, integrated handles and visually cable-less engineering are just a few of the new design features that create new standards for lowered acoustics, serviceability and energy efficiency.

Designed with the environment in mind: 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.

Revolutionary architecture: tackle bigger problems faster and process more tasks and threads in parallel with the new Intel® QuickPath Interconnect architecture and new Intel® Xeon® processors <sup>1</sup> with integrated memory controllers.

Compact and unassuming: enhance your work area with HP's quietest workstation, designed for environments where space is at a premium.

Ease of service without comparison: the tool-free chassis and the uncluttered and highly streamlined internal design give you the ability to add or change components in mere seconds.



## SPECIFICATIONS

<b>Form Factor</b>	Rackable minitower
<b>Operating system</b>	Genuine Windows® 7 Professional 32 Genuine Windows® 7 Professional 64 Genuine Windows® 7 Ultimate 64 Red Hat Enterprise Linux WS 5 (drop-in-the-box only) HP Installer Kit for Linux HP Linux Installer Kit includes drivers for both 32-bit & 64-bit OS versions of Red Hat Enterprise Linux WS4 and WS5. Red Hat Enterprise Linux WS5: Software is not loaded on hard drive. URL and software license number for downloading latest version is included in box.
<b>Processor</b>	Intel® Xeon® Six-Core X5675 (3.06 GHz, 12 MB cache, 1333 MHz memory); Intel® Xeon® Six-Core Processor X5670 (2.93 GHz, 12 MB cache, 1333 MHz memory); Intel® Xeon® Six-Core Processor X5660 (2.80 GHz, 12 MB cache, 1333 MHz memory); Intel® Xeon® Quad-Core X5672 (3.20 GHz, 12 MB cache, 1333 MHz memory); Intel® Xeon® Six-Core Processor X5650 (2.66 GHz, 12 MB cache, 1333 MHz memory); Intel® Xeon® Six-Core E5649 (2.53 GHz, 12 MB cache, 1333 MHz memory); Intel® Xeon® Six-Core E5645 (2.40 GHz, 12 MB cache, 1333 MHz memory); Intel® Xeon® Quad-Core Processor X5667 (3.06 GHz, 12 MB cache, 1333 MHz memory); Intel® Xeon® Quad-Core Processor E5647 (2.93 GHz, 12 MB cache, 1066 MHz memory); Intel® Xeon® Quad-Core Processor E5640 (2.66 GHz, 12 MB cache, 1066 MHz memory); Intel® Xeon® Quad-Core Processor E5630 (2.53 GHz, 12 MB cache, 1066 MHz memory); Intel® Xeon® Quad-Core Processor E5620 (2.40 GHz, 12 MB cache, 1066 MHz memory); Intel® Xeon® Quad-Core E5607 (2.26 GHz, 8 MB cache, 1066 MHz memory); Intel® Xeon® Quad-Core E5606 (2.13 GHz, 8 MB cache, 1066 MHz memory); Intel® Xeon® Quad-Core Processor E5507 (2.26 GHz, 4 MB cache, 800 MHz memory); Intel® Xeon® Quad-Core Processor E5506 (2.13 GHz, 4 MB cache, 800 MHz memory)
<b>Chipset</b>	Intel® 5520
<b>Memory</b>	DDR3 1333 MHz ECC Unbuffered DIMMs
<b>Internal Storage</b>	SATA (7200 rpm) 160 GB up to 2 TB SATA (10000 rpm) 160 GB up to 300 GB SAS (15000 rpm) 300 GB up to 600 GB SATA Solid State Drive up to Integrated SATA 3.0 Gb/s with RAID 0, 1, 10, 5 support. LSI 3041E 4-port SAS 3 Gb/s RAID (optional); LSI 8888ELP 8-port SAS RAID (optional); LSI 9212 4-Port SAS 6Gb/s RAID (optional); LSI MegaRAID 9260-8i SAS 6Gb/s ROC RAID
<b>Removable media</b>	HP SATA DVD-ROM Drive, HP SATA DVD+/-RW Drive, HP SATA Slot-load DVD+/-RW Drive, HP SATA Blu-Ray Writer
<b>Graphics</b>	Professional 2D, NVIDIA Quadro NVS 295 (256 MB); NVIDIA Quadro NVS 450 (512 MB); NVIDIA NVS 300 (512 MB); AMD FirePro 2270 (512 MB) Entry 3D, NVIDIA Quadro FX380 (256 MB); NVIDIA Quadro FX580 (512 MB); NVIDIA Quadro 600 (1 GB); ATI FirePro V3800 (512 MB); ATI FirePro V4800 (1 GB); NVIDIA Quadro 400 (512 MB) Midrange 3D, NVIDIA Quadro FX1800 (768 MB); NVIDIA Quadro 2000 (1 GB); ATI FirePro V5800 (1 GB) High-end 3D, NVIDIA Quadro FX3800 (1 GB); NVIDIA Quadro 4000 (2 GB); NVIDIA Quadro FX4800 (1.5 GB); NVIDIA Quadro 5000 (2.5 GB)
<b>Audio</b>	Integrated High Definition Realtek ALC262 Audio, optional Creative X-Fi Titanium PCIe Audio Card, optional HP Thin USB Powered Speakers
<b>Communications</b>	Integrated Broadcom 5764 10/100/1000 PCIe LAN, optional Broadcom NIC, optional Intel NIC
<b>Ports and Connectors</b>	9 USB 2.0; 1 audio in; 1 audio out; 1 headphone out; 1 RJ-45 to integrated Gigabit LAN; 2 microphone in; 2 PS/2; 1 serial (optional); 1 IEEE 1394a; 1 22-in-1 Media Card Reader (optional) 3 internal USB 2.0 headers
<b>Input Device</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>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>Security</b>	HP Solenoid Hood Lock & Hood Sensor, optional Security Cable with Kensington Lock, optional HP Solenoid Lock
<b>Dimensions</b>	16.53 x 44 x 44.51 cm
<b>Weight</b>	Starting at 14.4 kg
<b>Energy efficiency compliance</b>	ENERGY STAR® qualified configurations available, EPEAT® registered where applicable/supported. See <a href="http://www.epeat.net">www.epeat.net</a> for registration status by country
<b>Power</b>	650 watts wide-ranging, active Power Factor Correction, 85% efficient Power Supply
<b>Expansion solutions</b>	2 PCI Express Gen2 x16, 1 PCI Express Gen2 (x8 mechanically, x4 electrically), 1 PCI Express Gen1 (x8 mechanically, x4 electrically), 2 PCI; 1 22-in-1 Media Card Reader (optional) 2 external 5.25" bays/2 internal 3.5" bays (up to 3 with converter)
<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 processors 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. 64-bit computing on Intel architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. See [www.intel.com/info/em64t](http://www.intel.com/info/em64t) for more information

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

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## 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 1 GB (1x1GB)  
DDR3-1333 MHz ECC  
DIMM



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 2 GB (1x2GB)  
DDR3-1333 MHz ECC  
DIMM



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 Pro USB 3D  
Input Device



Working in 3D has just become easier and more efficient with an HP SpacePilot Intelligent Controller, which combines refined sensing technology, extendable speed keys, and ergonomic design to give you 3D control, speeding up your design work -faster than you ever thought possible. When you intuitively push, tilt, or twist the control cap, the response is immediate. SpacePilot also features 21 speed keys that increase your efficiency and make working with your designs less stressful and more enjoyable, without the intrusive functionality of a mouse and keyboard alone.

Product number: WH343AA

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

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

Keep your PC running at its best with HP Support Assistant [www.hp.eu/supportassistant](http://www.hp.eu/supportassistant)