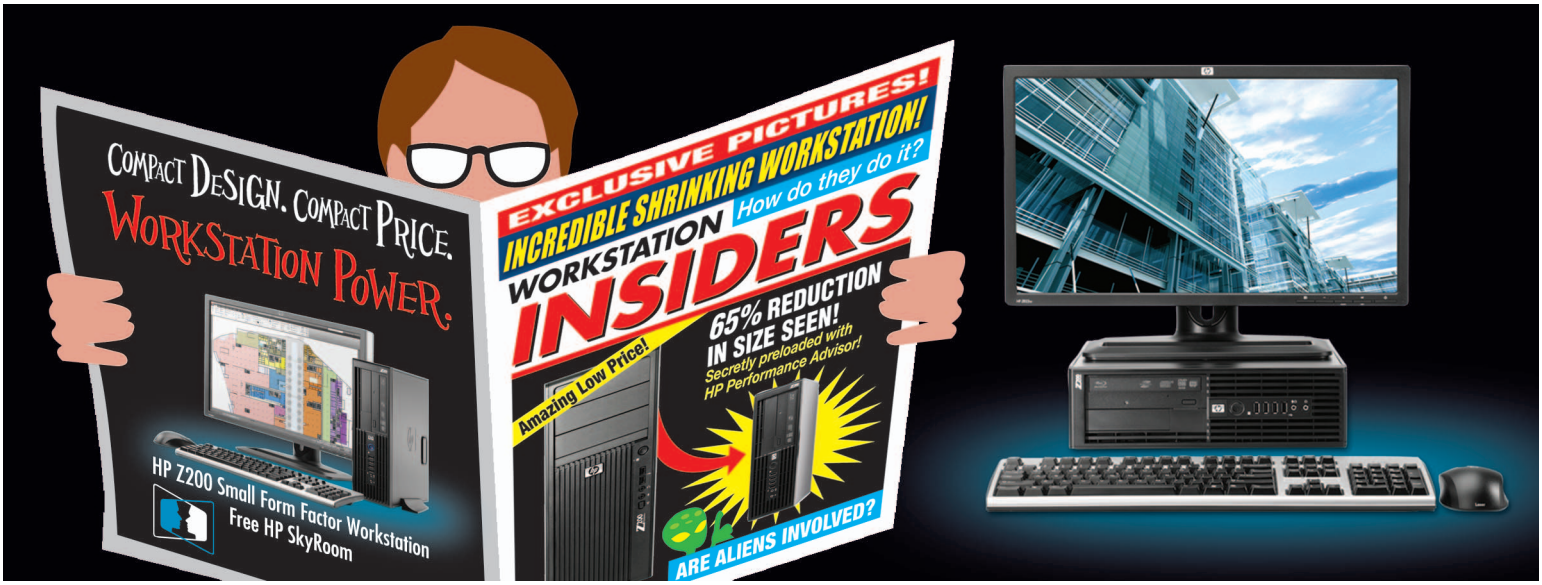
Windows®. Life without Walls™. HP recommends Windows 7.



HP Z200 SFF Workstation

Small size, great value, and rock-solid application performance

The surprisingly nimble and dynamic HP Z200 Small Form Factor (SFF) Workstation delivers workstation performance in a form factor almost 1/3 the size of the Z200 minitower. Engineered specifically for crowded desks, cubicles, and space-constrained environments, the HP Z200 SFF proves that size doesn't equal power.

Innovation to transform the way you work

The HP Z200 SFF packs workstation performance and reliability into a streamlined, affordable design optimized for energy efficiency. Now, advanced workstation technology isn't limited by the amount of room on your desk.

- Make the most of your available space with a remarkably compact design that can be used as a desktop or tower. The HP Z200 SFF features convenient front-panel USB ports and a tool-free chassis for easy serviceability.
- Choose from an array of professional-class technologies, such as affordable storage, cost-effective integrated and professional-class 2D and entry 3D graphics, and up to 16 GB of high-speed DDR3 ECC memory.[1,2]
- See and share your work across the world with HP SkyRoom visual collaboration software. This free, preloaded software combines real-time 3D graphics sharing and 4-way HD[3] video conferencing.

Performance to help you accomplish more every minute

Offering the latest Intel® technology, including dual-core Intel® Core™ i3 and i5 or quad-core Intel® Xeon® processors[4,5,6], the HP Z200 SFF delivers whole-system performance engineering that optimizes the way the processor, graphics, operating system, and software work together to help you maximize your investment.

- Easily fine tune and optimize your workstation performance with HP's unique Performance Advisor software.
- Be energy smart with HP's lowest power consuming workstation ever.[7] ENERGY STAR® v5 configurations available.

Legendary HP quality

HP Workstations are a product of in-depth testing, engineering discipline, and quality assurance which helps you stay productively up and running.

- Ease your mind. HP Workstations are jointly engineered, tested, and certified with the professional applications and software vendors that are critical to your work.
- Choose, use, protect, and transition with ease with HP Total Care's personal attention, convenient tools, and reliable services.

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

Form factor	Small Form Factor; convertible—may be used as desktop or tower; optional tower stand available
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*,***(available May 2010) HP Installer Kit for Linux (includes drivers for both 32-bit & 64-bit OS versions of Red Hat Enterprise Linux and WS5 and 64-bit Novell SLED 11 (available May 2010) Novell SLED 11 Linux preloaded (available May 2010) Red Hat Enterprise Linux WS5 (as drop-in-the-box only; available May 2010)
Available processors[5, 6, 7]	Intel® Xeon® Processor X3470 2.93 GHz, 95W 8 MB cache, 1333 MHz memory, Quad-Core Intel Xeon Processor X3460 2.80 GHz, 95W 8 MB cache, 1333 MHz memory, Quad-Core Intel Xeon Processor X3450 2.66 GHz, 95W 8 MB cache, 1333 MHz memory, Quad-Core Intel Xeon Processor X3440 2.53 GHz, 95W 8 MB cache, 1333 MHz memory, Quad-Core Intel Xeon Processor X3430 2.40 GHz, 95W 8MB cache, 1333 MHz memory, Quad-Core Intel Core™ i5-670 3.46GHz 73W, 4 MB cache, 1333 MHz memory, Dual-Core Intel Core i5-660 3.33GHz 73W, 4 MB cache, 1333 MHz memory, Dual-Core Intel Core i5-650 3.20GHz 73W, 4 MB cache, 1333 MHz memory, Dual-Core Intel Core i3-540 3.06GHz 73W, 4 MB cache, 1333 MHz memory, Dual-Core Intel Core i3-530 2.93GHz 73W, 4 MB cache, 1333 MHz memory, Dual-Core Intel® Pentium® G6950 2.80GHz 73W, 3 MB cache, 1066 MHz memory, Dual-Core
Chipset	Intel® PCH 3450
Memory[1,2]	4 DIMM slots, up to 16 GB, DDR3 1333 MHz (actual memory speed dependent on processor capability)
Drive controllers[8]	Integrated SATA 3 GB/s controller
Hard drive(s)[9]	Up to (2) 3.5-inch 7200 rpm SATA drives: 160, 250, 320, 500 GB, 1 TB 2.0 TB max; Up to (2) 2.5-inch 10K rpm SATA drives: 160, 300 GB; optional 64 GB SLC SSD (available May 2010)
Optical drives[10]	DVD-ROM, DVD+/-RW DL Super Multi, optional Blu-Ray writer, optional 22-in-1 Media Card Reader
Drive bays	1 internal 3.5" bay, and 1 shared with external 3.5" bay; 1 external 5.25" bay
Slots	PCI Express Gen2 x16 mechanical, x16 electrical (low profile); 1 PCI Express Gen1 x16 mechanical, x4 electrical (low profile); 1 PCI Express Gen1 x1 mechanical, x1 electrical (low profile); 1 PCI slot (low profile)
Graphics	Intel® HD Graphics (integrated with dual-core processors only) **Professional 2D**: NVIDIA Quadro NVS 295 (256 MB)—single or dual graphics cards supported **Entry 3D**: NVIDIA Quadro FX 380 LP (512 MB), ATI FirePro V3800 (512 MB) available May 2010
Audio	High Definition Integrated Realtek ALC261
Network	Integrated Intel 82578 DM (Intel® AMT 6.0)
Ports	**Front**: 4 USB 2.0, 1 IEEE 1394a (optional), 1 microphone in, 1 headphone out, optional HP 22-in-1 Media Card Reader **Rear**: 6 USB 2.0, 1 audio in, 1 audio out (audio ports can be retasked to function as line in, line out, microphone, or headphone), 1 standard/ 1 optional serial port, 1 parallel (optional); 2 PS/2, RJ-45 (NIC), 1 VGA and 1 DisplayPort (useable with Intel integrated graphics on dual-core processors only) **Internal**: 4 USB 2.0 ports available via two 9-pin headers
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 laser scroll mouse. 3DConnexion devices support will be added later.
Dimensions (H x W x D)	Standard desktop orientation: 100 x 338 x 381 mm (3.95 x 13.3 x 15.0 in); Optional SFF tower orientation (excluding stand): 338 mm x 100 mm x 381 mm (13.3 x 3.95 x 15.0 in)
Power supply	240-watt 89% efficient power supply
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, HP ZR22w 21.5-inch S-IPS LCD Monitor and HP ZR24w 24-inch S-IPS LCD Monitor
Warranty	Limited three-year next business day[11], parts, labor and 24 x 7 phone support; terms and conditions may vary. One-year limited warranty available in some regions.

* Windows 7 systems may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See http://www.microsoft.com/windows/windows-7/ for details.

** Windows® XP Professional is preinstalled on this system and includes end user rights and media for Windows 7 Professional 32 bit. You may only use one version at a time. You must back up all data (files, photos, etc.) before uninstalling operating systems to avoid loss of your data.

*** Windows® XP Professional is preinstalled on this system and includes end user rights and media for Windows 7 Professional 64 bit. You may only use one version at a time. You must back up all data (files, photos, etc.) before uninstalling operating systems to avoid loss of your data.

1 Each processor supports up to 3 channels of DDR3 memory. To realize full performance at least 1 DIMM must be inserted into each channel.

2 Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.

3 HD content required to view HD images.

4 Dual-Core and 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; not all customers or software applications will necessarily benefit from use of these technologies.

5 Intel's numbering is not a measurement of higher performance.

6 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 http://www.intel.com/info/em64t for more information.

7 Calculation and comparison completed using the United States EPA's Total Energy Consumption (TEC) equation.

8 SATA hardware RAID is not supported on Linux systems. The Linux kernel, with built-in software RAID, provides excellent functionality and performance. It is a good alternative to hardware-based RAID. Please visit http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00060684/c00060684.pdf for RAID capabilities with Linux.

9 For hard drives, 1 GB = 1 billion bytes. 1 TB = 1 trillion bytes. Actual formatted capacity is less. Up to 8 GB of hard drive (or system disk) is reserved for the system recovery software for Windows XP and XP Pro, up to 12 GB for Windows Vista, and up to 20 GB for Windows 7.

10 Actual speeds may vary. Does not permit copying of commercially available DVD movies or other copyright protected materials. Intended for creation and storage of your original material and other lawful uses. Double Layer discs can store more data than single layer discs. However, double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players. As Blu-ray is a new format containing new technologies, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require a DVI or HDMI digital connection and your display may require HDCP support. HD DVD movies cannot be played on this Desktop PC

11 HP Care Pack Services extend service contracts beyond the standard warranties. Service starts from date of hardware purchase. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at http://www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at http://www.hp.com/hps/carepack. Service levels and response times for HP Care Packs may vary depending on your geographic location.

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