



## HP Z200 Small Form Factor 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.



HP recommends Windows® 7.

### Innovation that transforms 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 <sup>1, 2</sup>.

### 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 <sup>3, 4, 5</sup>, 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 <sup>6</sup>. 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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## SPECIFICATIONS

<b>Form Factor</b>	Small Form Factor
<b>Operating system</b>	Genuine Windows® 7 Professional 64-bit Genuine Windows® 7 Professional 32-bit Genuine Windows® 7 Ultimate 64-bit HP Installer Kit for Linux Novell Suse SLED 11 Linux Red Hat Enterprise Linux WS 5 (drop-in-the-box only) HP Installer Kit for Linux includes drivers for both 32-bit & 64-bit version of Red Hat Enterprise Linux WS 5, and 64-bit Novell SLED 11
<b>Processor</b>	Intel® Core™ i7-880 Processor (3.06 GHz, 8 MB cache, 1333 MHz memory); Intel® Core™ i7-870 Processor (2.93 GHz, 8 MB cache, 1333 MHz memory); Intel® Core™ i5-760 Processor (2.80 GHz, 8 MB cache, 1333 MHz memory); Intel® Core™ i5-680 Processor (3.60 GHz, 4 MB cache, 1333 MHz memory); Intel® Core™ i5-670 Processor (3.46 GHz, 4 MB cache, 1333 MHz memory); Intel® Core™ i5-660 Processor (3.33 GHz, 4 MB cache, 1333 MHz memory); Intel® Core™ i5-650 Processor (3.20 GHz, 4 MB cache, 1333 MHz memory); Intel® Core™ i3-560 Processor (3.33 GHz, 4 MB cache, 1333 MHz memory); Intel® Core™ i3-550 Processor (3.20 GHz, 4 MB cache, 1333 MHz memory); Intel® Core™ i3-540 Processor (3.06 GHz, 4 MB cache, 1333 MHz memory); Intel® Xeon® Quad-Core Processor X3470 (2.93 GHz, 8MB cache, 1333 MHz memory); Intel® Xeon® Quad-Core Processor X3450 (2.66 GHz, 8MB cache, 1333 MHz memory); Intel® Xeon® Quad-Core Processor X3440 (2.53 GHz, 8MB cache, 1333 MHz memory); Intel® Xeon® Quad-Core Processor X3430 (2.40 GHz, 8MB cache, 1333 MHz memory); Intel® Pentium® Dual-Core G6950 Processor (2.80 GHz, 3 MB cache, 1066 MHz memory)
<b>Chipset</b>	Intel® PCH 3450
<b>Memory</b>	Memory in dual-channel configuration, 2 DIMMs per channel. 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.
<b>Internal Storage</b>	SATA (7200 rpm) 160 GB up to 1 TB SATA (10000 rpm) 160 GB up to 300 GB SATA Solid State Drive up to 160 GB Integrated SATA 3.0 Gb/s with RAID 0, 1 supported. Requires identical hard drives (speeds, capacity, interface).
<b>Removable media</b>	DVD-ROM; DVD+/-RW Dual-Layer SuperMulti; Blu-Ray Writer
<b>Graphics</b>	Integrated Intel® HD Graphics Professional 2D, NVIDIA Quadro NVS 295 (256 MB); NVIDIA NVS 300 (512 MB) Entry 3D, NVIDIA Quadro FX380 (256 MB); ATI FirePro V3800 (512 MB); NVIDIA Quadro 600 (1 GB) All cards are PCIe.
<b>Audio</b>	Integrated High Definition Realtek ALC261 audio; optional HP Thin USB Powered Speakers
<b>Communications</b>	Integrated Intel 82578 DM PCIe LoM; Broadcom 5761 NetXtreme Gigabit (optional); Intel Gigabit CT Desktop (optional)
<b>Ports and Connectors</b>	10 USB 2.0; 1 IEEE 1394; 1 IEEE 1394 (optional); 1 microphone in; 1 headphone out; 1 audio in; 2 audio out; 1 RJ-45; 1 serial; 1 serial (optional); 1 parallel (optional); 2 PS/2; 1 22-in-1 Media Card Reader (optional) 4 internal USB 2.0 ports available via two 9-port headers. 1 VGA and 1 DisplayPort output from Intel HD graphics only available on dual-core processors. Audio ports can be retasked to function as line in, line out, microphone or headphone.
<b>Input Device</b>	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
<b>Monitors</b>	HP LP1965 48,3 cm (19") LCD Monitor, HP LP2065 50,8 cm (20") LCD Monitor, HP LP2275w 55,9 cm (22") Widescreen LCD Monitor, HP LP2475w 61 cm (24") Widescreen LCD Monitor, HP DreamColor LP2480zx Professional Display 61 cm (24") diagonal widescreen, HP LP3065 76,2 cm (30") Widescreen LCD Monitor, HP ZR22w 54,6 cm (21.5") S-IPS LCD Monitor and HP ZR24w 61 cm (24") S-IPS LCD Monitor
<b>Security</b>	Optional security cable with Kensington Lock; HP Solenoid Hood Lock & Hood Sensor
<b>Dimensions</b>	33.8 x 38.1 x 10 cm Standard desktop orientation
<b>Weight</b>	Starting at 7.6 kg
<b>Energy efficiency compliance</b>	ENERGY STAR® 5.0 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>	240 W 89% efficient, wide-ranging, Active Power Factor Correction
<b>Expansion solutions</b>	1 PCIe Gen2 x16 mechanical (x16 electrical); 1 PCIe Gen1 x16 mechanical (x4 electrical); 1 PCIe Gen1 x1 mechanical (x1 electrical); 1 PCI; 1 22-in-1 Media Card Reader (optional); All slots are full-height. PCIe Gen2 slot dedicated for graphics. One 13,3 cm (5.25"); One 8,9 cm (3.5"); One 8,9 cm (3.5")
<b>Warranty</b>	3-year worldwide parts, labour and next business day onsite service Terms and conditions may vary, restrictions apply

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

<sup>2</sup> 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

<sup>3</sup> 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 benefit its not all customers or software applications will necessarily benefit from use of these technologies

<sup>4</sup> Intel's numbering is not a measurement of higher performance

<sup>5</sup> 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

<sup>6</sup> Calculation and comparison completed using the United States EPA's Total Energy Consumption (TEC) equation

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

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## Accessories and Services

SkyRoom Standard  
Accessory Hardware Kit



SkyRoom Standard Accessory Hardware Kit.

Product number: NG855AA

ATI FirePro V3800 512MB  
Graphics Card



This entry workstation solution with 512MB of GDDR3 frame buffer memory is ideally suited for work with large models and complex data sets plus a 30-bit display pipeline for accurate color reproduction and superior visual quality. Based on a new generation GPU with 400 Stream processor units, the ATI FirePro V3800 ultra parallel processing architecture maximizes throughput by automatically directing graphics horsepower where it's needed. Intelligent management of computational resources enables enhanced utilization of the GPU to enable real-time rendering of complex models and scenes while increasing frame rates when animating.

Product number: WL048AA

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

HP 16X SATA DVD-ROM JB  
Drive



With up to 8.5-GB (Double Layer) of storage per-disc, the HP SATA DVD-ROM drive can read from any industry standard DVD media at speeds of up to 21,600 KB/s or reads CD media at up to 6,000 KB/s from single layer or dual layer DVD media.

Product number: AR629AA

3-year Next Business Day  
Onsite with defective Media  
Retention, excl. External  
Monitor, HW Support



Retain your defective media for disposal in a way that meets your security standards and receive high quality onsite and remote support from HP

Product number: UE342E