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.

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

Offering a wide selection of the latest Intel technology, including dual-core Intel Core i3 and i5 processors or quad-core Intel Core i5 and i7 and Intel Xeon Series 3400 processors, 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. ENERGY STAR v5 configurations are 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.
HP Z200 SFF WORKSTATION

Form factor
Small Form Factor, convertible—may be used as desktop or tower, optional tower stand available

Operating systems
Genuine Windows® 7 Ultimate 64-bit*
Genuine Windows® 7 Professional 32-bit*
Genuine Windows® 7 Professional 64-bit*
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)
Novell SLED 11 Linux preloaded
Red Hat Enterprise Linux WS5 (as drop-in-the-box only)

Available processors\textsuperscript{3, 4, 5}
Intel® Pentium® processor G6950, 2.80 GHz, 3 MB cache, 1066 MHz, DualCore
Intel® Core processor i3-540, 3.06 GHz, 4 MB cache, 1333 MHz memory, DualCore, HT
Intel Core processor i3-550, 3.20 GHz, 4 MB cache, 1333 MHz memory, DualCore, HT
Intel Core processor i3-560, 3.33 GHz, 4 MB cache, 1333 MHz memory, DualCore, HT
Intel Core processor i5-650, 3.20 GHz, 4 MB cache, 1333 MHz memory, DualCore, HT, Turbo
Intel Core processor i5-660, 3.33 GHz, 4 MB cache, 1333 MHz memory, DualCore, HT, Turbo
Intel Core processor i5-660, 3.33 GHz, 4 MB cache, 1333 MHz memory, DualCore, HT, Turbo
Intel Core processor i5-670, 3.46 GHz, 4 MB cache, 1333 MHz memory, DualCore, HT, Turbo
Intel Core processor i5-680, 3.60 GHz, 4 MB cache, 1333 MHz memory, DualCore, HT, Turbo
Intel Core processor i7-780, 2.80 GHz, 8 MB cache, 1333 MHz memory, QuadCore, Turbo
Intel Core processor i7-870, 2.93 GHz, 8 MB cache, 1333 MHz memory, QuadCore, HT, Turbo
Intel Core processor i7-880, 3.06 GHz, 8 MB cache, 1333 MHz memory, QuadCore, HT, Turbo
Intel Core processor i7-880, 3.06 GHz, 8 MB cache, 1333 MHz memory, QuadCore, HT, Turbo
Intel Core processor i7-980, 3.36 GHz, 8 MB cache, 1333 MHz memory, QuadCore, HT, Turbo
Intel Core processor i5-670, 2.80 GHz, 8 MB cache, 1333 MHz memory, QuadCore, Turbo
Intel Core processor i5-680, 3.60 GHz, 4 MB cache, 1333 MHz memory, QuadCore, HT, Turbo

Chipset
Intel® 3450

Memory\textsuperscript{1, 2}
4 DIMM slots, up to 16 GB ECC/8 GB non-ECC, DDR3 1333 MHz (ECC/non-ECC and actual memory speed dependent on processor capability)

Drive controllers\textsuperscript{6}
Integrated SATA 3 GB/s controller

Hard drive(s)\textsuperscript{8}
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, 0.6 TB max; Up to (2) SATAm solid state drives: Intel X25-M 160 GB, 320 GB max

Optical drives\textsuperscript{9}
DVD-ROM, DVD+/-RW DL Super Multi, optional Blu-Ray writer

Drive bay(s)\textsuperscript{9}
1 internal 3.5" bay, and 1 shared with external 3.5" bay, 1 external 5.25" bay

Slots
1 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
Professional 2D: Integrated Intel® HD Graphics (dual-core processors only), 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), NVIDIA Quadro 600 (1 GB)

Audio
High Definition Integrated Realtek AIC261 Audio and integrated speaker, optional HP Thin USB Powered Speakers

Network
Integrated Intel 82578 DM (supports 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 audio in, 1 audio out, 1 audio out (optional audio ports can be relabeled to function as line in, line out, microphone, or headphone), 1 standard/a
optional spare port, 1 parallel (optional); 2 PS/2, 4-45 (NICs), 1 VGA and 1 DisplayPort (for use with Intel HD graphics on dual-core processors only)
Internal:
4 USB 2.0 ports available via two 9-pin headers

Input devices
HP PS/2 standard keyboard, HP USB standard keyboard, HP USB smart card keyboard, HP USB CCID SmartCard keyboard, HP PS/2 optical scroll mouse, HP USB optical scroll mouse, HP USB laser scroll mouse, HP USB SpaceExplorer

Dimensions (H x W x D)
Standard desktop orientation: 3.95 x 13.3 x 15.0 in (10.0 x 33.8 x 38.1 cm)
Optional SFF tower orientation (excluding stand): 13.3 x 3.95 x 15.0 in (33.8 x 10.0 x 38.1 cm)

Power supply
240-watt 89% efficient power supply

Monitors (screen size diagonally measured)
HP ZR24xw 30-inch S-IPS LCD Monitor, HP ZR22w 21.5-inch S-IPS LCD Monitor, HP ZR22w 21.5-inch S-IPS LCD Monitor, HP ZR22w 30-inch S-IPS LCD Monitor

Warranty
Limited three-year Mon-Fri 8-5 next business day,\textsuperscript{10} parts, labor and 24x7 phone support, terms and conditions may vary.

1 Each processor supports up to 2 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 DualCore and QuadCore 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.
4 Intel’s numbering is not a measurement of higher performance.
5 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.
6 Calculation and comparison completed using the United States EPA’s Total Energy Consumption (TEC) equation.
7 SATA hard 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://www2.intel.com/da/tech-support/SataRAID/diskRAID.pdf for RAID capabilities with Linux.
8 For hard drives, 1 GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 20 GB of hard drive (or system disk) is reserved for the system recovery software for Windows 7
9 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. Inactivity on all systems is not warranted. In order for some Blu-ray titles to play, they may require a DVD or HDMI digital connection and your display may require HDCP support. HD DVD movies may not be played on this Desktop PC.
10 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/carepack. Additional HP Care Pack Services information by product is available at http://www.hp.com/go/carepack. Service levels and response times for HP Care Packs may vary depending on your geographic location.

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