HP Z200 Workstation

Low-cost, high-performance mainstream entry workstation

Power hungry? Do you need a workstation-class system but have a PC budget? Boasting advanced memory, graphics and storage plus application certification, next-generation processors, HP SkyRoom and HP Performance Advisor, the HP Z200 Workstation brings workstation-class productivity to the masses.

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

Innovation that transforms the way you work

The HP Z200 creates a new entry-point into the HP Workstation family, offering the advanced power and productivity of workstation technology at starting prices that rival traditional desktop computing systems.

Experience easy access—both inside and out with a tool-free chassis and convenient FireWire® and USB ports on the front.

Choose from a breadth of graphics selections—including HP integrated graphics or 2D/3D options from NVIDIA and ATI.

See and share your work—across the world with HP SkyRoom visual collaboration software trial [1], which combines real-time 3D graphics sharing and 4-way HD [2] video conferencing.

Only HP offers such a broad range of solutions from leading manufacturers to complement our own world-class workstation, notebook and desktop computing products.

Performance to help you accomplish more every minute

The HP Z200 is engineered to optimize the way the processor, memory, graphics, operating systems and software work together.

Get fast performance—with built-in memory controller and your choice of future Intel® Core™ dual-core processors or Intel Xeon® quad-core processors [3], [4], [5].

Fine-tune your workstation's performance— and maintain your drivers, operating systems and applications with HP Performance Advisor.

Be future-ready—with expanded PCIe, FireWire, a whopping 11 USB interfaces and plus a range of SATA, eSATA and storage bays, optional 22-in-1 media card reader and optional Blu-Ray writer [6].

Save energy—with ENERGY STAR® 5.0 qualification, 89% efficient power supplies and HP WattSaver technology, which, when activated, consumes less than 1 watt in off mode.

Reliable, legendary, confidence-inspiring quality

Deliver results and stay productively up and running with a confidence backed by in-depth engineering, testing and quality assurance.

Reliable enterprise-class technology at an entrylevel price—includes ECC memory that helps ensure data integrity and higher system uptime.

Close ISV relationships—help ensure that HP Workstations are fully certified and optimized for your applications.

Maintain image stability—streamline certification processes and migrate smoothly with a years-long lifecycle.

Choose, use, protect, and transition with ease—with HP Total Care's personal attention, convenient tools and reliable services.

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SPECIFICATIONS

Form Factor	Convertible Minitower
Operating system	Genuine Windows® 7 Professional 32-bit Genuine Windows® 7 Professional 64-bit Windows XP Professional 32-bit (available through downgrade rights from Genuine Windows® 7 Professional 32-bit) Windows XP Professional 64-bit (available through downgrade rights from Genuine Windows® 7 Professional 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 versions of Red Hat Enterprise Linux WS 4 and WS 5
Processor	Intel® Xeon® Quad-Core Processor X3470 (2.93 GHz, 8MB cache, 1333 MHz memory); Intel® Xeon® Quad-Core Processor X3460 (2.80 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® 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™ i3-540 Processor (3.06 GHz, 4 MB cache, 1333 MHz memory); Intel® Core™ i3-530 Processor (2.93 GHz, 4 MB cache, 1333 MHz memory); Intel® Pentium® Dual-Core G6950 Processor (2.80 GHz, 3 MB cache, 1066 MHz memory); Intel® Celeron® Dual-Core G1101 Processor (2.26 GHz, 2 MB cache 1066 MHz memory)
Chipset	Intel® 3450
Memory	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.
Internal Storage	SATA (7200 rpm) 160 GB up to 1.5 TB Integrated SATA with RAID 0, 1, 10, 5 supported. Requires identical hard drives (speeds, capacity, interface).
Removable media	DVD-ROM; DVD+/-RW Dual-Layer SuperMulti; Blu-Ray Writer
Graphics	Integrated Intel® HD Graphics (1 Single-link DVI-I + 1 DP) Professional 2D, NVIDIA Quadro NVS 295 (256 MB, 2 DisplayPort to DVI-D) Entry 3D, NVIDIA Quadro FX380 (256 MB, 2 Dual-Link DVI-I); ATI FirePro V3700 (256 MB, 2 Dual-Link DVI-I); NVIDIA Quadro FX580 (512 MB, 2 DisplayPort, 1 Dual-Link DVI-I) Mid-range 3D, NVIDIA Quadro FX 1800 (768 MB, 2 DisplayPort, 1 Dual-Link DVI-I); ATI FirePro V5700 (512 MB, 2 DisplayPort, 1 Dual-Link DVI-I) All cards are PCIe
Audio	Integrated High Definition Realtek ALC262 audio; optional Creative X-Fi Titanium PCIe audio card; optional HP Thin USB Powered Speakers
Communications	Integrated Intel 82578 DM PCIe LoM; Broadcom 5761 NetXtreme Gigabit (optional); Intel Gigabit CT Desktop (optional)
Ports and Connectors	8 USB 2.0; 1 IEEE 1394 (optional); 2 microphone in; 1 audio in; 2 audio out; 1 RJ-45; 1 serial (optional); 2 PS/2 5 internal USB 2.0 available by 2 separate 2/5 and 1 1x5 headers
Input Device	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 SpacePilot; USB laser scroll mouse
Monitors	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 (all sold separately)
Dimensions	17.78 x 45.43 x 44.76 cm
Weight	Starting at 10.7 kg Exact weights depend upon configuration
Power	320 W 89% efficient, wide-ranging, Active Power Factor Correction
Expansion solutions	1 PCIe Gen1 x1 mechanical (x1 electrical); 1 PCIe Gen2 x16 mechanical (x16 electrical); 1 PCIe Gen1 x4 mechanical (x1 electrical); 1 PCIe Gen1 x16 mechanical (x4 electrical); 3 PCI (full-height/length); 3 – 13.3 cm (5.25"); 3 – 8.9 cm (3.5")
Warranty	3-year worldwide parts, labour and next business day onsite service Terms and conditions may vary, restrictions apply

[1] Free 60-day trial of HP Virtual Rooms available for download at www.hp.com/go/connectsolution. License required afterwards.

[2] HD content required to view HD images

[3] 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

[4] 64-bit computing on Intel architecture requires a computer system with a processor, hipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 rchitecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. See http://www.intel.com/info/em64t for more information

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

[6] 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

For more information, please visit **www.hp.com/eur/workstations**

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Accessories and Services

ATI FirePro V5700 512MB PCIe Graphics Card		Introducing the ATI FirePro™ V5700 workstations graphics accelerator from AMD. This midrange workstation solution with 512MB of frame buffer memory is among the industry's first 3D workstation graphics accelerators to feature two DisplayPort output.
		Product number: FY947AA
NVIDIA Quadro FX1800 768MB PCIe Graphics Card		The NVIDIA Quadro FX 1800 graphics board is a leading high-range professional 3D graphics option with 768 MB of fast memory, giving excellent price/performance suitable for CAD, DCC, and visualization applications
		Product number: FY946AA
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 SkyRoom Webcam and Desktop Audio Kit		The HP SkyRoom Standard Accessory Kit combines a high performance webcam, USB powered speakers and a desktop microphone in a single package to complement the HP SkyRoom solution to ensure a life-like visual collaboration experience.
		Product number: WF819AA
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

For more information, please visit **www.hp.com/eur/hpoptions**