











The world's first 27" all-in-one workstation.

Open Possibility.

Experience the simplicity of all-in-one design with the HP Z1 Workstation. Enjoy the control of easily swapping out parts on your own. Add a hard drive, upgrade memory, or access the graphics card by snapping it open. Enhance your work with the HD Webcam, SRS Premium Sound processing and whisper-quiet acoustics. Unleash your creativity on a workstation that's worthy of it.

Workstation Performance Without Compromise.

Bring your ideas to life faster with the accelerated performance of the HP Z1 Workstation. The only all-in-one workstation with quad-core Intel® Xeon® processors includes ISV certifications, HP Performance Advisor and HP Remote Graphic Software, giving you the professional features you expect from a HP Workstation. Professional graphics and ECC memory make renders faster and crashes a thing of the past. Experience the HP Z1 Workstation and stay one step ahead of your imagination.

High Performance Graphics. Incredible from Every Angle.

See your work more clearly on a 27" diagonal White LED display¹ that supports over a billion colors.³ With a wide, 178 degree viewing angle and an IPS panel, the HP Z1 Workstation display is professional any way you look at it. With professional NVIDIA Quadro graphics for blazing fast renders and performance, the HP Z1 gives you the time to be your creative best.

Build the Machine You Want to Drive.

Customize the HP Z1 Workstation the way you want to with a variety of I/O options, including USB 3.0 for blazing fast speeds and your choice of optical drives, like the slot-load Blu-ray Writer.⁴ Choose from a variety of storage types, including 7.2K and 10K SATA, SSD options, optional RAID configurations and a media card reader.



HP Z1 Workstation

HP recommends Windows® 7.

www.hp.com/zworkstations

Form Factor	All-in-one					
Available Operating Systems*	Genuine Microsoft® Windows® 7 P Genuine Microsoft® Windows® 7 Pro Genuine Microsoft Windows 7 Pro Genuine Microsoft Windows 7 Pro HP Linux Installer Kit** SUSE Linux Enterprise Desktop 11 C SUSE Linux Enterprise Desktop 11 SUSE Linux Enterprise Desktop 11 SUSE Linux Enterprise Desktop 11 Enterprise Desktop 11 SUSE Linux Enterprise Desktop 11 Enterpri	rofessional 64-bit fessional 32-Bit Low Cos fessional 64-Bit Low Co China WW				
Available Processors ^{5,6,7}	Processor Intel® Core™ i3-2120 Intel® Xeon® E3-1245 Intel® Xeon® E3-1280	GHz 3.3 3.3 3.5	Cache 3 MB 8 MB 8 MB	Number of Cores 2 4 4	Watts 65W 95W 95W	Integrated Graphics Intel® HD Graphics 20000 Intel® HD Graphics P3000 N/A
Chipset	Intel® C206 Chipset					
Memory ^{8,9}	Four Memory slots. Up to 32 GB, DDR3 ECC/ 8 GB DDR3 nECC, 1600MHz					
Drive Controllers	N/A					
Storage ^{10,11}	SATA 7200 3.5-in. drives: 250, 500 GB, 1, 2 TB; SATA 10K 2.5-in. Drives: 300, 600GB; SATA Solid State Drives: 160, 300 GB					
Optical Storage	DVD +/- RW Super-Multi 12 Slot-Load or Blu-ray4 Writer Slot-Load					
Expansion (Slots and Bays)	Up to 2 internal 2.5-in. HDDs, Up to 1 internal 3.5-in. HDD 4 slots: 1 PCle x16 full, 3 miniPCle					
Slots	4 slots: 1 PCle x16 full, 3 miniPCle					
Available Graphics (dual graphics on selected cards)	Intel HD Graphics 2000, Intel HD Graphics P3000 Entry 3D: NVIDIA Q500M Graphics Midrange 3D: NVIDIA Q1000M Graphics, NVIDIA Q3000M Graphics High-end 3D: NVIDIA Q4000M Graphics					
Webcam	HD 1080p 2.0 megapixel webcam					
Audio	SRS Premium Sound, Dual-cone front-facing stereo speakers					
Network ^{13,14}	Intel Gb LAN, 802.11 a/b/g/n Wireless LAN, Bluetooth 2.1, 2.1+EDR, 3.0 and 3.0+HS					
Ports	Side: 2 USB 3.0, 1 IEEE 1394a, Mic, Headphone, 6-in-1 Media Card Reader Rear: 4 USB 2.0, RJ-45 Gb-LAN, Line-in, Line-out, Display Port In/Out, SPDIF, Subwoofer Internal: 5 USB 2.0					
Input Devices	HP Wireless Keyboard and Mouse; HP USB Optical Mouse; HP USB 1000dpi Laser Mouse; HP USB Keyboard; HP USB Optical 3-Button Mouse (AMO)					
Dimensions with Stand	Height: 23.0 inches (58.42 cm) Width: 26.0 inches (66.04 cm) Depth: 16.5 inches (41.91 cm)					
Power Supply	400W, 90% Efficient					
Monitor (screen size diagonally measured)	27-inch, 2560x1440 pixel, diagonal White LED IPS display (support for up to 1.07 billion colors) ³					
Display Support	Supports up to one external display via display port					
Compatible Secondary Displays (screen size diagonally measured)	HP DreamColor LP2480zx Professional Display, HP ZR30w 30-inch S-IPS LCD Monitor, HP ZR2740w 27-inch LED Backlit IPS Monitor, HP ZR2440w 24-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor					
Keyboards and Mice	HP Wireless Keyboard and Mouse; HP USB Optical Mouse; HP USB 1000dpi Laser Mouse; HP USB Keyboard; HP USB Optical 3-Button Mouse (AMO)					
Warranty ¹⁵	Limited three-year Mon-Fri 8-5 next business day, parts, labor and 24x7 phone support, terms and conditions may vary.					

- 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.
- Linux available 2nd calendar quarter 2012 (CQ2'12)
- Refers to diagonal measurement of display.

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 All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

 1.07 billion viewable colors through A-FRC technology.

 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 tilles 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 workstation.

 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.

 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 https://www.intel.com/info/em64t for more information.

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

 Each processor supports up to 2 channels of DDR3 memory. To realize full performance at least 1 DIMM must be inserted into each channel.

 Intel® Xeon E3, Intel Core i3 and Intel Pentium processors can support either ECC or non-ECC memory. Intel Core i5/i7 processors only support non-ECC memory.

 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 add for RAID capabilities with Linux.

 For hard drives, 1 GB = 1 billion bytes. 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 XP.

 Actual speeds may very possible of compressible, available DVD maying a capacity is provided for specified material, and other lawful uses.

- up to 12 GB for Windows Vista, and up to 20 GB tor Windows 7.

 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.

 Note that DVD-RAM cannot read or write to 2.6 GB Single Sided/5.2 GB Double Sided Version 1.0 media.

 Wireless use requires separately purchased service contract. Check with your local vendor for coverage area and availability in your area. Connection and speeds will vary due to location, environment, network conditions, and other factors.

 Wireless access point and Internet service required. Availability of public wireless access points limited.

 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/go/carepack. Service levels and response times for HP Care Packs review and product is available at http://www.hp.com/go/carepack. Service levels and response times for HP Care Packs review and product is available at http://www.hp.com/go/carepack. Lookup Tool at http://www.hp.com/go/lookuvary depending on your geographic location. /go/carepack. Service levels and response times for HP Care Packs may

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