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## HP Z800 Workstation - specifications and warranty

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System features

HP product rating

Performance

Expandability

Serviceability

Memory (max.)

Graphics

Vizualisation

Operating system

Windows® 7 Ultimate 64  
Windows® 7 Professional 32  
Windows® 7 Professional 64  
Red Hat Enterprise Linux WS 5 (drop-in-the-box only)  
HP Installer Kit for Linux  
HP Linux Installer Kit includes drivers for both 32-bit & 64-bit OS versions of Red Hat Enterprise Linux WS4 and WS5. Red Hat Enterprise Linux WS5 is drop-in-the-box only.

Processor

Intel® Xeon® Six-Core X5690 (3.46 GHz, 12 MB cache 1333 MHz memory)  
Intel® Xeon® Quad-Core X5687 (3.60 GHz, 12 MB cache 1333 MHz memory)  
Intel® Xeon® Six-Core Processor X5680 (3.33 GHz, 12 MB cache, 1333 MHz memory)  
Intel® Xeon® Quad-Core Processor X5677 (3.46 GHz, 12 MB cache, 1333 MHz memory)  
Intel® Xeon® Six-Core X5675 (3.06 GHz, 12 MB cache, 1333 MHz memory)  
Intel® Xeon® Quad-Core X5672 (3.20 GHz, 12 MB cache, 1333 MHz memory)  
Intel® Xeon® Six-Core Processor X5670 (2.93 GHz, 12 MB cache, 1333 MHz memory)  
Intel® Xeon® Quad-Core X5667 (3.06 GHz, 12 MB cache, 1333 MHz memory)  
Intel® Xeon® Six-Core Processor X5660 (2.80 GHz, 12 MB cache, 1333 MHz memory)  
Intel® Xeon® Six-Core Processor X5650 (2.66 GHz, 12 MB cache, 1333 MHz memory)  
Intel® Xeon® Quad-Core X5647 (2.93 GHz, 12 MB cache 1333 MHz memory)  
Intel® Xeon® Six-Core E5649 (2.53 GHz, 12 MB cache, 1333 MHz memory)  
Intel® Xeon® Six-Core E5645 (2.40 GHz, 12 MB cache, 1333 MHz memory)  
Intel® Xeon® Quad-Core Processor E5640 (2.66 GHz, 12 MB cache, 1066 MHz memory)  
Intel® Xeon® Quad-Core Processor E5630 (2.53 GHz, 12 MB cache, 1066 MHz memory)  
Intel® Xeon® Quad-Core Processor E5620 (2.40 GHz, 12 MB cache, 1066 MHz memory)  
Intel® Xeon® Quad-Core E5607 (2.26 GHz, 8 MB cache, 1066 MHz memory)  
Intel® Xeon® Quad-Core E5606 (2.13 GHz, 8 MB cache 1066 MHz memory)  
Intel® Xeon® Quad-Core Processor E5507 (2.26 GHz, 4 MB cache, 800 MHz memory)  
Intel® Xeon® Quad-Core Processor E5506 (2.13 GHz, 4 MB cache, 800 MHz memory)

Chipset

Dual Intel® 5520

Form factor

Rackable minitower

Memory

|                              |   |
|------------------------------|---|
| Maximum memory               | Up to: 192 GB 1333 MHz DDR3 SDRAM Up to: 96 GB 1333 MHz DDR3 Registered SDRAM   |
| Memory slots                 | 12 DIMM slots   |
| Storage                      |   |
| Internal drive bays          | 4 internal 3.5" bays  |
| External drive bays          | 3 external 5.25" bays (up to 4 eSATA, up to 8 SAS)  |
| Internal drive               | SATA (7200 rpm)<br>From: 160 GB<br>Up to: 2 TB<br>SATA (10000 rpm)<br>From: 160 GB<br>Up to: 600 GB<br>SAS (15000 rpm)<br>From: 146 GB<br>Up to: 450 GB<br>Solid State Drive<br>Up to: 160 GB   |
| Storage Controller           | LSI MegaRAID 9260-8i SAS 6Gb/s ROC RAID   |
| Optical drive                | SATA Blu-ray writer<br>SATA SuperMulti DVD writer<br>Slim Slot-load DVD+/-RW<br>SATA DVD-ROM  |
| Graphics                     |   |
| Display                      | 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 widescreen), HP LP3065 30-inch Widescreen LCD Monitor (all sold separately)  |
| Graphics                     | Professional 2D: NVIDIA Quadro NVS 295 (256 MB)<br>Entry 3D: NVIDIA Quadro FX 380 (256 MB), ATI FirePro V3700 (256 MB), NVIDIA Quadro FX 580 (512 MB)<br>Midrange 3D: NVIDIA Quadro FX 1800 (768 MB), ATI FirePro V5700 (512 MB)<br>High-end 3D: NVIDIA Quadro FX 3800 (1 GB), ATI FirePro V7750 (1 GB), NVIDIA Quadro FX 4800 (1.5 GB), NVIDIA Quadro CX (1.5 GB), NVIDIA Quadro FX 5800 (4 GB). All cards are optional and are all PCI Express. |
| Expansion features           |   |
| I/O ports                    | 9 USB 2.0<br>1 audio in<br>1 audio out<br>1 headphone out<br>2 microphone in<br>2 RJ-45 to integrated Gigabit LAN<br>1 serial<br>2 IEEE 1394a   |
| Slots                        | 2 PCIe Gen2 x16<br>2 PCIe Gen2 x8<br>1 PCIe Gen2 x4<br>1 PCIe Gen1 x4<br>1 PCI<br>1 22-in-1 Media Card Reader (optional)  |
| Communications               |   |
| Network interface            | Integrated dual Broadcom 5764, TPM 1.2 Controller, optional Broadcom NIC, optional Intel NIC  |
| Audio                        | Integrated High Definition Realtek ALC262 Audio, optional Creative X-Fi Titanium PCIe Audio Card, optional HP Thin USB Powered Speakers   |
| Power                        |   |
| Energy efficiency compliance | ENERGY STAR® qualified configurations available, EPEAT® registered where applicable/supported. See <a href="http://www.epeat.net">www.epeat.net</a> for registration status by country  |
| Battery                      | 850 or 1110 watts wide-ranging, active Power Factor Correction, direct connection Power Supplies  |
| Dimensions and Weight        |   |
| Dimensions (W x D x H)       | 20.35 x 52.65 x 44.51 cm  |
| Product weight               | Starting at 21 kg   |
| What's included              |   |
| Warranty features            | 3-year worldwide parts, labour and next business day onsite service<br>Terms and conditions may vary, restrictions apply  |
| Security management          | Security Cable with Kensington Lock, HP Solenoid Hood Lock & Hood Sensor  |

Not all features are available in all editions of Windows 8. Systems may require upgraded and/or separately purchased hardware to take full advantage of Windows 8 functionality. See [www.microsoft.com/windows/](http://www.microsoft.com/windows/) for details.

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