HP Z800 WORKSTATION

HP recommends Windows® 7.

Form factor	Rackable minitower
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 and 64-bit OS versions of Red Hat Enterprise Linux WS4 and WS5) Red Hat Enterprise Linux WS5 (as drop-in-the-box only)
Available processors[1,2,3]	Intel® Xeon® processor E5506, 2.13 GHz, 4 MB cache, 800 MHz memory, Quad-Core Intel Xeon processor E5507, 2.26 GHz, 4 MB cache, 800 MHz memory, Quad-Core Intel Xeon processor E5606, 2.13 GHz, 8 MB cache 1066 MHz memory, Quad-Core Intel Xeon processor E5607, 2.26 GHz, 8 MB cache 1066 MHz memory, Quad-Core Intel Xeon processor E5620, 2.40 GHz, 12 MB cache, 1066 MHz memory, Quad-Core Intel Xeon processor E5630, 2.53 GHz, 12 MB cache, 1066 MHz memory, Quad-Core Intel Xeon processor E5640, 2.66 GHz, 12 MB cache, 1066 MHz memory, Quad-Core Intel Xeon processor E5645, 2.40 GHz, 12 MB cache 1333 MHz memory, Six-Core Intel Xeon processor E5649, 2.53 GHz, 12 MB cache 1333 MHz memory, Six-Core Intel Xeon processor X5647, 2.93 GHz, 12 MB cache 1333 MHz memory, Quad-Core Intel Xeon processor X5650, 2.66 GHz, 12 MB cache, 1333 MHz memory, Six-Core Intel Xeon processor X5660, 2.80 GHz, 12 MB cache, 1333 MHz memory, Six-Core Intel Xeon processor X5667, 3.06 GHz, 12 MB cache, 1333 MHz memory, Quad-Core Intel Xeon processor X5670, 2.93 GHz, 12 MB cache, 1333 MHz memory, Six-Core Intel Xeon processor X5672, 3.20 GHz, 12 MB cache 1333 MHz memory, Quad-Core Intel Xeon processor X5675, 3.06 GHz, 12 MB cache, 1333 MHz memory, Six-Core Intel Xeon processor X5677, 3.46 GHz, 12 MB cache, 1333 MHz memory, Quad-Core Intel Xeon processor X5680, 3.33 GHz, 12 MB cache, 1333 MHz memory, Six-Core Intel Xeon processor X5687, 3.60 GHz, 12 MB cache 1333 MHz memory, Quad-Core Intel Xeon processor X5690, 3.46 GHz, 12 MB cache 1333 MHz memory, Six-Core
Chipset	Intel 5520 (Dual)
Memory[4]	12 DIMM slots, up to 192 GB, 6-channel DDR3 1333 MHz, 3 channels per CPU (actual memory speed dependent on processor capability)
Drive controllers[5]	Integrated 6-channel SATA 3 Gb/s controller, RAID 0, 1, 5, 10 capable; Integrated 8-channel SAS controller, RAID 0, 1, 10 capable; Optional LSI 8888 ELP 8-port SAS HW RAID 0, 1, 5, 10 capable; Optional LSI 9260-8i 8-port SAS HW RAID 0, 1, 5, 10 capable
Hard drive(s)[6]	Up to (5) 3.5-inch 7200 rpm SATA drives: 160, 250, 320, 500 GB, 1, 1.5, 2 TB, 10 TB max; Up to (6) 2.5-inch 10K rpm SATA drives: 160, 300, 600 GB SFF, 3.6 TB max; Up to (5) 3.5-inch 15K rpm SAS drives: 300, 450, 600 GB, 3 TB max; Up to (5) 2.5-inch SATA solid state drives: Intel X25-M 160 GB, 800 GB max
Optical drives[7,8]	DVD-ROM, DVD+/-RW, Slot-load DVD+/-RW, HP Blu-ray Writer
Drive bays	3 external 5.25-inch bays, 4 internal 3.5-inch bays, Up to 4 eSATA, Up to 8 external SAS
Slots	2 PCI Express Gen2 x16, 2 PCI Express Gen2 x16 mechanical/x8 electrical, 1 PCI Express Gen2 x8 mechanical/x4 electrical, 1 PCI Express Gen1 x8 mechanical/x4 electrical, 1 PCI

Graphics **(dual graphics on** **selected cards)**		
	Professional 2D:	NVIDIA Quadro NVS 295 (256 MB), NVIDIA NVS 300 (512 MB), AMD FirePro 2270 (512 MB)
	Entry 3D:	NVIDIA Quadro FX 380 (256 MB), NVIDIA Quadro FX 580 (512 MB), ATI FirePro V3800 (512 MB), ATI FirePro V4800 (1 GB), NVIDIA Quadro 600 (1 GB)
	Midrange 3D:	NVIDIA Quadro FX 1800 (768 MB), ATI FirePro V5800 (1 GB), NVIDIA Quadro 2000 (1 GB)
	High-end 3D:	NVIDIA Quadro FX 3800 (1 GB), NVIDIA Quadro FX 4800 (1.5 GB), NVIDIA Quadro FX 5800 (4 GB), ATI FirePro V8800 (2 GB), NVIDIA Quadro 4000 (2 GB), NVIDIA Quadro 5000 (2.5 GB), NVIDIA Quadro 6000 (6 GB), NVIDIA Tesla C1060, NVIDIA Tesla C2050

Audio		High-definition integrated Realtek ALC262 Audio, optional Creative X-Fi Titanium PCIe Audio Card, optional HP Thin USB Powered Speakers
Network		Integrated Dual Broadcom 5764 LAN, Infineon TPM 1.2 Controller, Optional Broadcom NIC, Optional Intel NIC
Ports	**Front:**	3 USB 2.0, 1 IEEE 1394a, 1 microphone in, 1 headphone out, HP 22-in-1 Media Card Reader (optional)
	Rear:	6 USB 2.0, 1 IEEE 1394a, 1 audio in, 1 audio out, 1 microphone in, 2 PS/2, 2 RJ-45 to integrated Gb LAN, 1 serial
	Internal:	3 USB 2.0
Input devices		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
Dimensions (H x W x D)		17.5 x 8.0 x 20.7 in (44.51 x 20.35 x 52.65 cm)
Power supply		850 watts 85% efficient power supply or 1110 watts 89% efficient power supply; direct connect power supplies
Monitors (screen size **diagonally measured)**		HP ZR30w 30-inch S-IPS LCD Monitor, HP LP3065 30-inch Widescreen LCD Monitor, HP DreamColor LP2480zx Professional Display (24-inch diagonal widescreen), HP ZR24w 24-inch S-IPS LCD Monitor, HP ZR22w 21.5-inch S-IPS LCD Monitor, HP LP2065 20-inch LCD Monitor
Warranty		Limited three-year Mon-Fri 8-5 next business day,[9] parts, labor and 24x7 phone support; terms and conditions may vary.

4AA2-4398ENW, March 2011