Combining ultimate performance with a revolutionary new industrial design, the HP Z800 Workstation delivers the extreme speed and massive expandability that you demand to tackle your biggest challenges.

Innovation that transforms the way you work
Designed for speed, inside and out, the new HP Z800 revolutionizes workstation industrial design. Featuring brushed aluminum side panels, integrated handles, visually cable-less engineering that maximizes airflow, modular component removal and reconnect, and optional liquid cooling, this is a system you’ll want everyone to see.

Minimize power and cooling costs with ENERGY STAR® qualified configurations featuring 85% or 89% efficient power supplies and HP WattSaver which, when activated, lowers energy consumption to less than 1 Watt in off mode.

Performance to help you accomplish more every minute
Get massive, whole-system computational power from a workstation that optimizes the way the processor, memory, graphics, OS, and software technology work together.

• Process more tasks faster with the massive horsepower of quad- and six- core Intel® Xeon® processors¹ and Intel® QuickPath Technology
• Bring the performance of a small cluster to a workstation with the NVIDIA® Tesla™ C1060 computing processor
• Customize your HP Z800 with faster and larger memory capacity and large-scale storage
• Choose from a breadth of operating systems and new professional graphics options from NVIDIA and ATI

Reliability from legendary, confidence-inspiring quality
• Close ISV relationships help ensure that HP Workstations are fully certified and optimized for your applications
• In-depth testing and quality assurance keep you productively up-and-running
• HP Performance Advisor helps ease configuration and updates while optimizing a range of applications
• Comprehensive, lifetime HP Total Care options, easy HP financing solutions, and an array of monitors and other accessories make HP Workstations easy to own and use

HP recommends Windows® 7.
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

**Available processors**
- 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 E5602, 2.31 GHz, 4 MB cache, 1066 MHz memory, Quad-Core
- Intel Xeon processor E5607, 2.26 GHz, 6 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, 3.20 GHz, 12 MB cache, 1333 MHz memory, Quad-Core
- Intel Xeon processor X5657, 3.06 GHz, 12 MB cache, 1333 MHz memory, Quad-Core
- Intel Xeon processor X5659, 3.46 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 X5677, 3.46 GHz, 12 MB cache, 1333 MHz memory, Six-Core
- Intel Xeon processor X5679, 3.44 GHz, 12 MB cache, 1333 MHz memory, Six-Core
- Intel Xeon processor X5690, 3.46 GHz, 12 MB cache, 1333 MHz memory, Six-Core

**Chipset**
- Intel 5520 (Dual)

**Memory**
- 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**
- Integrated 6-channel SATA 3 Gb/s controller, RAID 0, 1, 5, 10, 10-capable
- Integrated 8-channel SAS controller, RAID 0, 1, 10, 10-capable
- Optional LSI 8888 ELP 8-port SAS HW RAID 0, 1, 5, 10-capable

**Hard drives**
- Up to (5) 3.5-inch 7200 rpm SATA drives: 160, 250, 500 GB, 1, 1.5, 2 TB, 10 GB max; Up to (6) 2.5-inch 10k rpm SATA drives: 160, 300, 600 GB SFF, 3.5 GB max; Up to (5) 3.5-inch 15k rpm SAS drives: 300, 450, 600 GB, 3.5 GB max; Up to (5) 2.5-inch SATA solid state drives: Intel X25-M 160 GB, 800 GB max

**Optical drives**
- DVD-ROM, DVD+R/-RW, SlotLoad DVD+R/-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)**

<table>
<thead>
<tr>
<th>Professional 2D</th>
<th>Entry 3D</th>
<th>Midrange 3D</th>
<th>High-end 3D</th>
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</thead>
<tbody>
<tr>
<td>NVIDIA Quadro FX 380 (256 MB), NVIDIA NVS 340 (128 MB), AMD FirePro 2270 (512 MB)</td>
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<td>NVIDIA Quadro FX 1800 (768 MB), ATI FirePro V5800 (1 GB), NVIDIA Quadro 2000 (1 GB)</td>
<td>NVIDIA Quadro FX 5800 (1 GB), NVIDIA Quadro FX 5800 (1.5 GB), NVIDIA Quadro FX 5800 (2 GB), NVIDIA Quadro FX 5800 (4 GB), NVIDIA Quadro FX 5800 (8 GB), NVIDIA Quadro FX 5800 (16 GB)</td>
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</tr>
</tbody>
</table>

**Audio**
- High-definition integrated RealTek AIC262 Audio, optional Creative X-Fi Titanium PCIe Audio Card, optional HP Thin USB Powered Speakers

**Network**
- Integrated Dual Broadcom 5764 LAN, Intelcom 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**
- P5/2 standard keyboard, USB standard keyboard, USB Smart Card Keyboard, P5/2 optical scroll mouse, USB 2-button optical scroll mouse, USB 3-button optical mouse, USB SpaceExplorer, USB SpacePilot, USB Laser Mouse Roll

**Dimensions (H x W x D)**
- 17.5 x 8.0 x 20.7 in (44.5) 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 ZR24w 24-inch S-IPS LCD Monitor, HP ZR30w 30-inch S-IPS LCD Monitor, HP DreamColor LP2480zx Professional Display (24-inch diagonal widescreen)
- HP ZR24w 24-inch S-IPS LCD Monitor, HP ZR30w 30-inch S-IPS LCD Monitor, HP LP3065 30-inch Widescreen LCD Monitor, HP LP3085 30-inch Widescreen LCD Monitor, HP LP3090 30-inch Widescreen LCD Monitor, HP LP2705w 27-inch Widescreen LCD Monitor, HP ZR30w 30-inch S-IPS LCD Monitor, HP LP2765w 27-inch Widescreen LCD Monitor, HP LP2780w 27-inch Widescreen LCD Monitor

**Warranty**
- Limited three-year Mon-Fri 8-5 next business day, parts, labor and 24x7 phone support; terms and conditions may vary.

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1. Intel’s numbering is not a measurement of higher performance.
2. Intel Xeon processor X5677, 3.46 GHz, 12 MB cache, 1333 MHz memory, Six-Core
3. Integated 6-channel SATA 3 Gb/s controller, RAID 0, 1, 5, 10, 10-capable
5. 5 Integrated 6-channel SATA 3 Gb/s controller, RAID 0, 1, 5, 10, 10-capable; Integrated 8-channel SAS controller, RAID 0, 1, 10, 10-capable; Optional LSI 8888 ELP 8-port SAS HW RAID 0, 1, 5, 10-capable
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