Big possibilities. Compact form factor.

With its innovative design, the HP Z620 Workstation gives you a near silent computing solution in a form factor that’s a perfect fit for space-constrained environments. And for easy servicing and upgrades, it features a completely tool-less chassis with integrated handles and a tool-free power supply.

The performance you demand.

Get massive system performance with a small footprint. The HP Z620 features the next evolution in processor technology and system architecture, setting the standard for versatility with support for a single Intel® Xeon® processor E5-1600 or dual Intel® Xeon® processor E5-2600 series. Now with up to 16 cores, the HP Z620 powerhouse supports a full range of processors, to help you get more done every minute.

Bring your ideas to life faster.

The HP Z620 is designed to support next generation PCI express Gen3 graphics technology that doubles the bandwidth in and out of the card. The HP Z620 offers a huge variety of professional graphics from NVIDIA and AMD— from Pro 2D to Extreme 3D. And with 800W 90% efficient power supply and support for up to 8 displays, the HP Z620 gives you the freedom of doing and seeing more.

Modify your machine.

Customize the HP Z620 Workstation the way you want to with a variety of expansion options, including USB 3.0 for blazing fast speeds and up to 12 memory slots capable of supporting 96GB of the latest generation of DDR3 memory. With 3 internal drive bays and 2 external bays, choose from a variety of storage types including SATA 7.2K/10K, SAS 10K/15K and SSD.
**Available Processors**

<table>
<thead>
<tr>
<th>Processor</th>
<th>GHz</th>
<th>Cache</th>
<th>Memory</th>
<th>Cores</th>
<th>Hyper-Threading</th>
<th>Intel® vPro™ Technology</th>
<th>Intel® Turbo Boost Technology</th>
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<tr>
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</table>

**Chipset**

Intel® C602 Chipset

**Memory**

Up to 12 DIMM slots with 2 CPUS, up to 192 GB, 8-channel ECC DDR3 1600 Mhz; 4 channels per CPU

**Drive Controllers**

Integrated 6-channel SATA controller: LSIS 9212-4I-4-port SAS 6 Gb/s RAID 0, 1, 10 capable; Optional SAS controller: LSIS 9212-4I-4-port SAS 6 Gb/s RAID 0, 1, 10 capable

**Storage**

Up to (4) 3.5-inch 7200 rpm SATA drives: 250, 500 GB, 1, 2, 3 TB, 12 TB max; Up to (4) 2.5-inch 10K rpm SAS drives: 250, 500 GB, 2 TB max; Up to (4) 2.5-inch 15K rpm SAS drives: 200, 450, 600, 2.4 TB max; Up to (2) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 1.2 TB max; Up to (1) 2.5-inch SATA self-encrypting solid state boot drive (SED500): 256 GB, 556 max; Up to (1) 2.5-inch SATA self-encrypting hard drive (SED HDD): 500 GB, 556 max; Note: Fourth drive occupies one external 5.25-inch bay

**Optical Storage**

DVD-ROM, DVD±RW, Slot-load DVD±RW, Blue-ray Writer, 22-in-1 Media Card Reader

**Drive Bays**

2 external 5.25-inch bays, Note: Fourth HDD occupies one external bay

**Expansion Slots**

2 PCI Express Gen x16, 1 PCI Express Gen x8, 1 PCI Express Gen x8 mechanical/x1 electrical; 1 PCI Express Gen 2 x4 mechanical/x1 electrical; 1 Legacy PCI

**Available Graphics**

Professional 2D: NVIDIA NVS 300, NVIDIA NVS 310, NVIDIA NVS 510
Entry 3D: NVIDIA Quadro 410, NVIDIA Quadro 600, NVIDIA Quadro K600, AMD FirePro™ V900
Mid-range 3D: NVIDIA Quadro 2000, NVIDIA Quadro K2000
High-end 3D: NVIDIA Quadro 4000, NVIDIA Quadro K4000, AMD FirePro™ V990, AMD FirePro™ V7900, AMD FirePro™ V7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Tesla C2075

**Audio**

Creative Recone 3D PCIe Audio Card, Integrated Intel®/Realtek® HDA CODEC Audio, optional HP Thin USB Powered Speakers

**Network**

Dual integrated Intel® GbE LAN, InfiniBand TIP 1.2 Controller, Optional Broadcom GbE NIC, Optional Intel® GbE NIC, Optional HP XS20 10GbE Dual Port NIC

**Ports**

Front: 2 USB 3.0, 1 USB 2.0, 1 IEEE 1394a standard, 1 microphone in, 1 headphone-out, HP 22-in-1 Media Card Reader (optional)
Rear: 2 USB 3.0, 4 USB 2.0, 1 audio in, 1 audio out, 1 microphone in, 2 PS/2, 2 RJ-45 to integrated Gigabit LAN, 1 serial via optional adapter, Rear power button with LED internal, 6 USB 2.0

**Input Devices**

HP PS/2 keyboard, HP USB keyboard, HP USB Smart Card Keyboard, HP PS/2 mouse, HP USB optical mouse, USB 1000dpi laser mouse, HP USB optical 3-button mouse, USB SpaceMouse Pro, USB SpacePilot Pro

**Dimensions (H x W x D)**

17.5 x 6.75 x 18.3 in (44.45 x 17.15 x 46.48 cm)

**Power Supply**

800 Watt 90% efficient tool-free power supply

**Compatible Displays (screen size diagonally measured)**

HP DreamColor LP2480zx Professional Display (24-inch diagonal widescreen), HP 2930w 20-inch 5-IPS LCD Monitor, HP 2224tw 20-inch LED Backlit IPS Monitor, HP R2440w 24-inch LED Backlit IPS Monitor, HP 2265hw 24-inch Widescreen LCD Monitor, HP 2230w 21.5-inch LED Backlit IPS Monitor, HP 2040sw 20-inch LED Backlit IPS Monitor

**Warranty**

Limited three-year Mon Fri 8-5 next business day, parts, labor and 24x7 phone support, terms may vary. Extendable up to five years.

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1 Middle 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.

2 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.

3 Intel® Turbo Boost technology requires a PC with a processor with Intel® Turbo Boost capability. Intel® Turbo Boost performance varies depending on hardware, software, and overall system configuration. Please visit intel.com/turbo/boost for more information.

4 2x160 systems configured with ES-1600 series processors may not add a 2nd processor. To support two processors, ES-2600 series processor must be chosen.

5 The specifications shown in this column represent the following: full core maximum turbo steps, one core maximum turbo steps. Turbo boost stepping occurs in 100MHz increments. Processors that do not have turbo functionality are denoted as N/A. Turbo Boost technology requires a PC with a processor with Intel Turbo Boost capability. Intel Turbo Boost performance varies depending on hardware, software, and overall system configuration. Please visit intel.com/turbo/boost for more information.

6 For hard drives, 1 GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less.

7 If your system is configured with ES-1600 series processors, every processor will operate at the lowest voltage (1.2V). Turbo Boost performance varies depending on hardware, software, and overall system configuration.

8 Advanced HP Care Pack Services information by product is available at hp.com/go/carepack. Service levels and response times for HP Care Packs may vary depending on your geographic location.

Learn more

hp.com/go/z620

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