

HP Z620 Workstation Specifications

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Product description



HP Z620 Workstation packs a ton of computing and visualization power into a quiet, compact footprint with up to 16 discrete processor cores. This dual-socket system helps to boost productivity with next-generation Intel Xeon processors and support for up to 8 displays.

Product features

Feature	Description
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Feature	Description
Architecture	Intel Sandy Bridge architecture
Processor	<ul style="list-style-type: none"> • Intel Xeon processor E5-2600 product family • Intel Xeon processor E5-1600 product family
Chipset	Intel C602 chipset
Form factor	Rackable minitower
Color	Brushed aluminum and black
I/O expansion slot	<ul style="list-style-type: none"> • Slot 1 (top): PCI Express Gen2 x4(1), full-height, half-length • Slot 2: PCI Express Gen3 x16, full-height, full-length (with extender) • Slot 3: PCI Express Gen2 x8(4) with open-ended connector, full-height, full-length (with extender) • Slot 4: PCI Express Gen3 x8 with open-ended connector, full-height, full-length (with extender) • Slot 5: PCI Express Gen3 x16, full-height, full-length (with extender) • Slot 6: PCI 32-bit/33 MHz, full-height, full-length (with extender)
Mass storage bays	5

Feature	Description
Internal bays	Three internal 3.5-inch bays (with acoustic dampening rail assemblies pre-installed)
External bays	Two external 5.25-inch bays (4th hard drive occupies one external bay)
Front I/O	USB 2.0 (1), USB 3.0 (2), headphone (1), microphone (1), 1394a (1)
Rear I/O	Rear power button and LED, PS/2 ports, 1394a (1), USB 2.0 (4), USB 3.0 (2), RJ-45 to integrated GbE (2), audio line-in (1), audio line-out (1), microphone (1)
Internal USB	USB 2.0 (6)
Hard drive controllers	SATA and SAS controllers

Technical specifications

Feature	Description
Processor	<ul style="list-style-type: none"> • Intel Xeon processor E5-2600 product family • Intel Xeon processor E5-1600 product family

Feature	Description
Chipset	Intel C602 chipset
System board form factor	<ul style="list-style-type: none">• Main system board (H x W): 24 x 31 cm (9.6 x 12.2 in)• Second CPU and memory board (H x W): 14.9 x 29.2 cm (5.85 x 11.50 in)
Hard drive controllers	SATA and SAS controllers
Memory	Supports up to 96GB
PCI connector	PCI 32-bit, 33 MHz
Chipset	Intel C602 chipset
Memory speed	1066, 1333 and 1600 MHz
Memory mode	Non-Uniform Memory Architecture (NUMA), Memory Node Interleave (MNI)
Super I/O controller	Nuvoton NPCD379H (SIO-12)

Feature	Description
CPU bus speed	Up to 8 GT/s, depending on processor

Physical specifications

Feature	Description
Chassis dimensions (H x W x D)	44.45 x 17.15 x 46.48 cm (17.5 x 6.75 x 18.3 in)
Weight	<ul style="list-style-type: none">• Minimum configuration: 15.5 kg (34.2 lb)• Typical configuration: 17.9 kg (39.4 lb)• Maximum configuration: 22.6 kg (49.9 lb)

Software/OS

Feature	Description
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Feature	Description
Operating System (OS)	<p>Pre-installed:</p> <ul style="list-style-type: none"> • Genuine Windows 7 Ultimate 64-bit • Genuine Windows 7 Professional 64-bit • Genuine Windows 7 Professional 32-bit • HP Installer Kit for Linux (includes drivers for 64-bit versions of Red Hat Enterprise Linux 5 and SUSE Linux Enterprise Desktop 11) • Red Hat Enterprise Linux Desktop <p>Supported:</p> <ul style="list-style-type: none"> • Genuine Windows 7 Enterprise • SUSE Linux Enterprise Desktop 11

Environmental specifications

Feature	Description
Temperature	<p>Operating:</p> <ul style="list-style-type: none"> • 5° to 35°C (40° to 95°F) <p>Non-operating:</p> <ul style="list-style-type: none"> • -40° to 60°C (-40° to 140°F)

Feature	Description
Humidity	<p>Operating:</p> <ul style="list-style-type: none"> • 8% to 85% relative humidity, non-condensing <p>Non-operating:</p> <ul style="list-style-type: none"> • 8% to 90% relative humidity, non-condensing
Altitude	<p>Operating:</p> <ul style="list-style-type: none"> • 3,048 m (10,000 ft) <p>Non-operating:</p> <ul style="list-style-type: none"> • 9,144 m (30,000 ft)

Safety certifications

Feature	Description
Eco-label certifications and declarations	<ul style="list-style-type: none"> • Energy Star (Configuration dependent, Microsoft Windows only) • United States Federal Energy Management Program (FEMP) • China Energy Conservation Program • IT ECO declaration • Japan PC Green Label