HP Z620 Workstation

More versatile than ever before.













More versatile than ever before.

With up to 24 discrete processor cores, the HP Z620 Workstation packs a ton of computing and visualization power into a quiet, compact footprint. This dual-socket system helps you boost productivity with next-generation Intel® Xeon processors and support for multiple displays.

The performance you demand.

Get massive system performance in a small footprint with the next evolution in system architecture, setting the standard for versatility with support for both Intel® Xeon® processor E5-2600 v2 and E5-1600 v2 families.¹ Now with up to 24 cores, the HP Z620 powerhouse supports a full range of processors, to help you get more done every minute.

Support up to 192 GB of the latest generation of system memory with 12 DIMM slots and integrated 1866 MHz DDR3 memory subsystem.² Ideal for complex data sets and the demands of a 64-bit environment. Take advantage of an 800 W 90% efficient power supply perfect for high-end graphics.

Bring your ideas to life, faster.

The HP Z620 offers a huge variety of professional graphics from NVIDIA and AMD, including Pro 2D to Extreme 3D. Integrate PCI express Gen3 graphics technology and double the bandwidth in and out of your card.³ Access high-performance applications, including 2D and 3D video, on-site or from a remote location with HP Remote Graphics software.⁴ Increase productivity and spread out with the freedom of seeing and doing more all at once with support for multiple displays at peak HD resolutions.⁵

Modify your machine.

Build the HP Z620 Workstation the way you want with multiple SATA and SAS RAID configuration options that support a wide range of high-performance, high capacity storage solutions.

HP Z620 Workstation

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Chipset Intel® (C602 Chipset									
Memory* Up to 12 DIMM slots with 2 CPUs, up to 192 GB, B-channel ECC DDR3 1866 MHz; 4 channels per CPU	. .		5.0	101110	100011112		14	'	TV/A
Integrated 6-channel SATA controller: 2 ports 6 (b)/s + 4 ports 3 (b)/s, PAID 0, 1, 5, 10 capable; Optional SAS controllers: LSI 9212-4i 4-port SAS & LSI 9717-4i4e 8-port SAS both 6 (b)/s PAID 0, 1, 10 capable; Optional SAS controllers: LSI 9212-4i 4-port SAS & LSI 9717-4i4e 8-port SAS both 6 (b)/s PAID 0, 1, 10 capable; Optional SAS controllers: LSI 9212-4i 4-port SAS & LSI 9717-4i4e 8-port SAS both 6 (b)/s PAID 0, 1, 10 capable; Optional SAS controllers: LSI 9212-4i 4-port SAS & LSI 9717-4i4e 8-port SAS both 6 (b)/s PAID 0, 1, 10 capable; Optional SAS controllers: LSI 9212-4i 4-port SAS & LSI 9717-4i4e 8-port SAS both 6 (b)/s PAID 0, 1, 10 capable; Optional SAS controllers: LSI 9212-4i 4-port SAS & LSI 9717-4i4e 8-port SAS both 6 (b)/s PAID 0, 1, 10 capable; Optional SAS controllers: LSI 9212-4i 4-port SAS & LSI 9717-4i4e 8-port SAS both 6 (b)/s PAID 0, 1, 10 capable; Optional SAS controllers: LSI 9212-4i 4-port SAS & LSI 9717-4i4e 8-port SAS & LSI 9717-4i4e 8-port SAS both 6 (b)/s PAID 0, 1, 10 capable; Optional SAS controllers: LSI 9212-4i 4-port SAS & LSI 9717-4i4e 8-port SAS both 6 (b)/s PAID 0, 1, 10 capable; Optional SAS controllers: LSI 9212-4i 4-port SAS & LSI 9717-4i4e 8-port SAS & LSI 9716 AS L	Chipset	Intel® C602 Chipset							
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 SATA drives: 250, 500 GB, 1 TB, 4 TB max; Up to (4) 2.5-inch 10K rpm SATA drives: 250, 500 GB, 1 TB, 4 TB max; Up to (4) 2.5-inch 10K rpm SATA drives: 250, 500 GB, 1 TB, 4 TB max; Up to (4) 2.5-inch 10K rpm SATA drives: 250, 500 GB, 1 TB, 4 TB max; Up to (4) 2.5-inch 10K rpm SATA drives: 250, 500 GB, 1 TB, 4 TB max; Up to (4) 2.5-inch SATA solid state drives: 128, 24 256, 480, 512 GB, 2 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 24 256, 480, 512 GB, 2 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 24 256, 480, 512 GB, 2 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 24 256, 480, 512 GB, 256 GB max; Up to (1) 2.5-inch SATA solid state drives: 128, 24 256, 480, 512 GB, 256 GB, 256 GB max; Up to (1) 2.5-inch SATA solid state drives: 128, 24 256, 480, 512 GB, 256 GB, 256 GB max; Up to (1) 2.5-inch SATA solid state drives: 128, 24 256, 480, 512 GB, 256 GB, 256 GB max; Up to (1) 2.5-inch SATA solid state drives: 128, 24 256, 480, 512 GB, 256 GB, 256 GB max; Up to (1) 2.5-inch SATA solid state drives: 128, 24 256, 480, 512 GB, 256 GB, 256 GB max; Up to (1) 2.5-inch SATA solid state drives: 128, 24 256, 480, 512 GB, 256 GB, 256 GB max; Up to (1) 2.5-inch SATA solid state drives: 128, 24 256, 480, 512 GB, 256 GB, 256 GB, 256 GB max; Up to (1) 2.5-inch SATA solid state drives: 128, 24 256, 480, 512 GB, 256 GB, 256 GB, 256 GB max; Up to (1) 2.5-inch SATA solid state drives: 128, 24 256, 480, 512 GB, 256 GB,	Memory ¹⁰	Up to 12 DIMM slots with 2 CPUs, up	to 192 (3B, 8-channe	el ECC DDR3 186	66 MHz; 4 ch	annels per CPU		
SAS drives: 300, 500, 500, 500, 500, 500, 500, 500,	Drive Controllers		: 2 ports	s 6 Gb/s + 4 ¡	ports 3 Gb/s, RA	ID 0, 1, 5, 10) capable; Optional SA	S controllers: LSI 9212-4i 4-p	ort SAS & LSI 9717-4i4e 8-port SAS;
Drive Bays 2 external 5.25-inch bays, 3 internal 3.5-inch bays, Note: Fourth HDD occupies one external bay 2 PCI Express Gen3 x 16; 1 PCI Express Gen3 x 8, 1 PCI Express Gen2 x 8 mechanical/x4 electrical; 1 PCI Express Gen2 x 4 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 K600, AMD FirePro™ V3900 Mid-range 3D: NVIDIA Quadro K2000 High-end 3D: NVIDIA Quadro K4000, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Tesla C2075, NVIDIA Tesla K20c Audio Creative Recon3D PCIe Audio Card, Integrated Intel/Realtek HD ALC262 Audio, optional HP Thin USB Powered Speakers Network Dual integrated Intel GbE LAN; Infineon TPM 1.2 Controller; Optional Broadcom GbE NIC; Optional Intel GbE NIC; Optional HP X520 10GbE Dual Port NIC; Optional Intel Ethern 1210-11 PCIe NIC Ports Front: 2 USB 3.0, 4 USB 2.0, 1 audio in, 1 audio out, 1 microphone in, 1 headphone out, HP 14-in-1 Media Card Reader (optional) Rea: 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, 1 Thunderbolt™ 2 port via optional add-in PCIe card ^{A15} Internal: 6 USB 2.0 Internal: 6 USB 2.0 Dimensions (Hx W x D) 17.5 x 6.75 x 18.3 in (44.45 x 17.15 x 46.48 cm) Power Supply Compatible Displays (screen size diagonally measured) HP DreamColor LP2480xx Professional Display (24-inch diagonal widescreen), HP ZR30w 30-inch 5-IPS LCD Monitor, HP ZR2740w 27-inch LED Backlit IPS Monitor, HP LP2475w 24-inch Widescreen LCD Monitor, HP ZR2240w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor									
Expansion Slots 2 PCI Express Gen3 x16; 1 PCI Express Gen3 x8, 1 PCI Express Gen2 x8 mechanical/x4 electrical; 1 PCI Express Gen2 x4 mechanical/x1 electrical; 1 Legacy PCI Available Graphics Professional 2D: NVIDIA NVS 300, NVIDIA NVS 310, NVIDIA NVS 510 Entry 3D: NVIDIA Quadro K600, AMD FirePro™ V3900 Mid-range 3D: NVIDIA Quadro K4000, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro G000, NVIDIA Tesla C2075, NVID	Storage ^{11,12}	256, 480, 512 GB, 2 TB max; Up to	(1) 2.5-	B max; Up to inch SATA se	o (4) 3.5-inch 15 elf-encrypting so	K rpm SAS o lid state boo	drives: 300, 450, 600 ot drive (SED SSD): 250	GB, 2.4 TB max; Up to (4) 2.5-	inch SATA solid state drives: 128, 240
Available Graphics Professional 2D: NVIDIA NVS 300, NVIDIA NVS 310, NVIDIA NVS 510 Entry 3D: NVIDIA Quadro K600, AMD FirePro™ V3900 Mid-range 3D: NVIDIA Quadro K2000 High-end 3D: NVIDIA Quadro K4000, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Tesla C2075, NVIDIA Tesla K20c Audio Creative Recon3D PCIe Audio Card, Integrated Intel/Realtek HD ALC262 Audio, optional HP Thin USB Powered Speakers Network Dual integrated Intel GbE LAN; Infineon TPM 1.2 Controller; Optional Broadcom GbE NIC; Optional Intel GbE NIC; Optional HP X520 10GbE Dual Port NIC; Optional Intel Ethern 1210-T1 PCIe NIC Ports Front: 2 USB 3.0, 1 USB 2.0, 1 IEEE 1394a standard, 1 microphone in, 1 headphone out, HP 14-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, 1 Thunderbolt™ 2 port via optional add-in PCIe card ^{3,15} Internat: 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 Compatible Displays (screen size diagonal tymeasured) HP DreamColor LP24802x Professional Display (24-inch diagonal widescreen), HP ZR30w 30-inch S-IPS LCD Monitor, HP ZR2740w 27-inch LED Backlit IPS Monitor, HP LP2475w 24-inch Widescreen LCD Monitor, HP ZR2240w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monit	Storage ^{11,12} Optical Storage ^{13,14}	256, 480, 512 GB, 2 TB max; Up to drive (SED HDD): 500 GB, 500 GB m	(1) 2.5- nax; Not	B max; Up to inch SATA se e: Fourth dri	o (4) 3.5-inch 15 elf-encrypting so ve occupies one	K rpm SAS olid state boo external 5.2	drives: 300, 450, 600 ot drive (SED SSD): 25 25-inch bay	GB, 2.4 TB max; Up to (4) 2.5-	inch SATA solid state drives: 128, 240
Entry 3D: NVIDIA Quadro 410, NVIDIA Quadro K5000, AMD FirePro™ V3900 Mid-range 3D: NVIDIA Quadro K2000 High-end 3D: NVIDIA Quadro K2000 High-end 3D: NVIDIA Quadro K2000, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Tesla C2075, NVIDIA Tesla K20c Audio Creative Recon3D PCIe Audio Card, Integrated Intel/Realtek HD ALC262 Audio, optional HP Thin USB Powered Speakers Network Dual integrated Intel GbE LAN; Infineon TPM 1.2 Controller; Optional Broadcom GbE NIC; Optional Intel GbE NIC; Optional HP X520 10GbE Dual Port NIC; Optional Intel Ethern I210-T1 PCIe NIC Ports Front: 2 USB 3.0, 1 USB 2.0, 1 IEEE 1394a standard, 1 microphone in, 1 headphone out, HP 14-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, 1 Thunderbolt™ 2 port via optional add-in PCIe card ^{3.15} 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 SpacePlot 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 ZR30w 30-inch S-IPS LCD Monitor, HP ZR2740w 27-inch LED Backlit IPS Monitor, HP R2440w 24-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit		256, 480, 512 GB, 2 TB max; Up to drive (SED HDD): 500 GB, 500 GB n DVD-ROM, DVD+/-RW, Slot-load DVD	(1) 2.5- nax; Not +/-RW, I	B max; Up to inch SATA se e: Fourth dri Blu-ray Write	o (4) 3.5-inch 15 elf-encrypting so ve occupies one er, 22-in-1 Media	K rpm SAS of lid state boo external 5.2 a Card Reado	drives: 300, 450, 600 ot drive (SED SSD): 25 25-inch bay	GB, 2.4 TB max; Up to (4) 2.5-	inch SATA solid state drives: 128, 240
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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, 1 Thunderbolt™ 2 port via optional add-in PCle card ^{3,15} 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 ZR30w 30-inch S-IPS LCD Monitor, HP ZR2740w 27-inch LED Backlit IPS Monitor, HP R2440w 24-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor, HP ZR2040w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor.	Optical Storage ^{13,14} Drive Bays Expansion Slots	256, 480, 512 GB, 2 TB max; Up to drive (SED HDD): 500 GB, 500 GB m DVD-ROM, DVD+/-RW, Slot-load DVD 2 external 5.25-inch bays, 3 internal 2 PCI Express Gen3 x16; 1 PCI Expres Professional 2D: NVIDIA NVS 300, N Entry 3D: NVIDIA Quadro 41i Mid-range 3D: NVIDIA Quadro K2i High-end 3D: NVIDIA Quadro K4i Creative Recon3D PCIe Audio Card, In	(1) 2.5- nax; Noti +/-RW, I 3.5-inch as Gen3 IVIDIA N 0, NVIDIA 0000 0000, AM	B max; Up to inch SATA see: Fourth dri Blu-ray Write n bays, Note: x8, 1 PCI Exp VS 310, NVII A Quadro K6 ID FirePro TM V d Intel/Realt	b (4) 3.5-inch 15 If-encrypting so ve occupies one er, 22-in-1 Media Fourth HDD occ oress Gen2 x8 m DIA NVS 510 00, AMD FirePro W7000, NVIDIA C ek HD ALC262 A	K rpm SAS of lid state bor external 5.2 of Card Reade upples one e lechanical/x ™ V3900 Quadro K500 udio, option	drives: 300, 450, 600 ot drive (SED SSD): 25025-inch bay er xternal bay 4 electrical; 1 PCI Expo	GB, 2.4 TB max; Up to (4) 2.5- 6 GB, 256 GB max; Up to (1) 2. ress Gen2 x4 mechanical/x1 e	inch SATA solid state drives: 128, 240.5-inch SATA self-encrypting hard electrical; 1 Legacy PCI
1 Thunderbolt™ 2 port via optional add-in PCle card³.¹⁵ 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 ZR30w 30-inch S-IPS LCD Monitor, HP ZR2740w 27-inch LED Backlit IPS Monitor, HP R2440w 24-inch LED Backlit IPS Monitor, HP LP2475w 24-inch Widescreen LCD Monitor, HP ZR2240w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor.	Optical Storage ^{13,14} Drive Bays Expansion Slots Available Graphics	256, 480, 512 GB, 2 TB max; Up to drive (SED HDD): 500 GB, 500 GB m DVD-ROM, DVD+/-RW, Slot-load DVD 2 external 5.25-inch bays, 3 internal 2 PCI Express Gen3 x16; 1 PCI Expres Professional 2D: NVIDIA NVS 300, N Entry 3D: NVIDIA Quadro 41; Mid-range 3D: NVIDIA Quadro K2; High-end 3D: NVIDIA Quadro K4; Creative Recon3D PCIe Audio Card, In Dual integrated Intel GbE LAN; Infined	(1) 2.5- nax; Noti +/-RW, I 3.5-inch as Gen3 IVIDIA N 0, NVIDIA 0000 0000, AM	B max; Up to inch SATA see: Fourth dri Blu-ray Write n bays, Note: x8, 1 PCI Exp VS 310, NVII A Quadro K6 ID FirePro TM V d Intel/Realt	b (4) 3.5-inch 15 If-encrypting so ve occupies one er, 22-in-1 Media Fourth HDD occ oress Gen2 x8 m DIA NVS 510 00, AMD FirePro W7000, NVIDIA C ek HD ALC262 A	K rpm SAS of lid state bor external 5.2 of Card Reade upples one e lechanical/x ™ V3900 Quadro K500 udio, option	drives: 300, 450, 600 ot drive (SED SSD): 25025-inch bay er xternal bay 4 electrical; 1 PCI Expo	GB, 2.4 TB max; Up to (4) 2.5- 6 GB, 256 GB max; Up to (1) 2. ress Gen2 x4 mechanical/x1 e	inch SATA solid state drives: 128, 240 .5-inch SATA self-encrypting hard electrical; 1 Legacy PCI
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Compatible Displays (screen size diagonally measured) R2440w 24-inch LED Backlit IPS Monitor, HP LP2475w 24-inch Widescreen LCD Monitor, HP ZR2240w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor	Optical Storage ^{13,14} Drive Bays Expansion Slots Available Graphics Audio Network Ports Input Devices	256, 480, 512 GB, 2 TB max; Up to drive (SED HDD): 500 GB, 500 GB m DVD-ROM, DVD+/-RW, Slot-load DVD 2 external 5.25-inch bays, 3 internal 2 PCI Express Gen3 x16; 1 PCI Expres Professional 2D: NVIDIA NVS 300, N Entry 3D: NVIDIA Quadro 41 Mid-range 3D: NVIDIA Quadro K2 High-end 3D: NVIDIA Quadro K4 Creative Recon3D PCIe Audio Card, In Dual integrated Intel GbE LAN; Infined I210-T1 PCIe NIC Front: 2 USB 3.0, 1 USB 2.0, 1 IEE Rear: 2 USB 3.0, 4 USB 2.0, 1 aud 1 Thunderbolt™ 2 port via Internal: 6 USB 2.0 HP PS/2 keyboard, HP USB keyboard USB SpaceMouse Pro, USB SpacePi 17.5 x 6.75 x 18.3 in (44.45 x 17.15 x)	(1) 2.5-aax; Not +/-RW, I +/-RW, I 3.5-inct 55 Gen3 3.5-inct 55 Gen3 1VVIDIA N 0000 0000, AM tegrated 0000, AM 15 Gen4 13 Gen4 16 Gen4 16 Gen4 17 Gen4 17 Gen4 18 Gen4	B max; Up to inch SATA see: Fourth dri Blu-ray Write In bays, Note: x8, 1 PCI Exp VS 310, NVII A Quadro K6 ID FirePro™ Id Intel/Realt 1.2 Controlle a standard, audio out, 1 r al add-in PCIe B Smart Carc cm)	b (4) 3.5-inch 15 If-encrypting so we occupies one er, 22-in-1 Media Fourth HDD occ oress Gen2 x8 m DIA NVS 510 00, AMD FirePro W7000, NVIDIA C ek HD ALC262 A er; Optional Broa 1 microphone in, microphone in, 2 e card ^{3,15}	K rpm SAS of lid state boo external 5.2 of Card Readon pupies one e lechanical/x ™ V3900 Quadro K500 udio, option dcom GbE N 1 headphoi PS/2, 2 RJ-4	drives: 300, 450, 600 of drive (SED SSD): 2502-inch bay er external bay 4 electrical; 1 PCI Expo on, NVIDIA Quadro 600 al HP Thin USB Power lIC; Optional Intel GbE one out, HP 14-in-1 Me is to integrated Gigabi	GB, 2.4 TB max; Up to (4) 2.5- 6 GB, 256 GB max; Up to (1) 2. ress Gen2 x4 mechanical/x1 e 20, NVIDIA Tesla C2075, NVIDI red Speakers NIC; Optional HP X520 10GbE idia Card Reader (optional) t LAN, 1 serial via optional ada	inch SATA solid state drives: 128, 24 5-inch SATA self-encrypting hard electrical; 1 Legacy PCI A Tesla K20c Dual Port NIC; Optional Intel Ethernic
Warranty ¹⁶ Limited three-year Mon-Fri 8-5 next husiness day, parts, labor and 24x7 phone support terms and conditions may vary. Extendable up to five years	Optical Storage ^{13,14} Drive Bays Expansion Slots Available Graphics Audio Network Ports Input Devices Dimensions (H x W x D)	256, 480, 512 GB, 2 TB max; Up to drive (SED HDD): 500 GB, 500 GB m DVD-ROM, DVD+/-RW, Slot-load DVD 2 external 5.25-inch bays, 3 internal 2 PCI Express Gen3 x16; 1 PCI Expres Professional 2D: NVIDIA NVS 300, N Entry 3D: NVIDIA Quadro 41! Mid-range 3D: NVIDIA Quadro K2! High-end 3D: NVIDIA Quadro K4! Creative Recon3D PCIe Audio Card, In Dual integrated Intel GbE LAN; Infined I210-T1 PCIe NIC Front: 2 USB 3.0, 1 USB 2.0, 1 IEE Rear: 2 USB 3.0, 4 USB 2.0, 1 aud 1 Thunderbolt™ 2 port via Internal: 6 USB 2.0 HP PS/2 keyboard, HP USB keyboard USB SpaceMouse Pro, USB SpacePi 17.5 x 6.75 x 18.3 in (44.45 x 17.15; 800 Watt 90% efficient tool-free pow	(1) 2.5-aax; Not. +/-RW, I. +/-RW, I. +/-RW, I	B max; Up to inch SATA see: Fourth dri Blu-ray Writen bays, Note: x8, 1 PCI Exp VS 310, NVII A Quadro K6 ID FirePro™ Id Intel/Realt 1.2 Controlle a standard, audio out, 1 roll add-in PCIe B Smart Carc cm)	b (4) 3.5-inch 15 If-encrypting so we occupies one er, 22-in-1 Media Fourth HDD occ oress Gen2 x8 m OIA NVS 510 00, AMD FirePro W7000, NVIDIA C ek HD ALC262 A er; Optional Broa Il microphone in, microphone in, 2 e card ^{2,15} d Keyboard, HP F	K rpm SAS of lid state boo external 5.2 of Card Reade upples one e lechanical/x № V3900 udio, option dcom GbE N 1 headphoi PS/2, 2 RJ-4	drives: 300, 450, 600 of drive (SED SSD): 25025-inch bay er external bay 4 electrical; 1 PCI Expo 200, NVIDIA Quadro 600 al HP Thin USB Power lIC; Optional Intel GbE me out, HP 14-in-1 Me 15 to integrated Gigabi HP USB optical mous	GB, 2.4 TB max; Up to (4) 2.5-6 GB, 256 GB max; Up to (1) 2.5-6 GB, 256 GB, 25	inch SATA solid state drives: 128, 240.5-inch SATA self-encrypting hard electrical; 1 Legacy PCI A Tesla K20c Dual Port NIC; Optional Intel Etherne pter, Rear power button with LED, HP USB optical 3-button mouse,
	Optical Storage ^{13,14} Drive Bays Expansion Slots Available Graphics Audio Network Ports Input Devices Dimensions (H x W x D) Power Supply Compatible Displays (screen	256, 480, 512 GB, 2 TB max; Up to drive (SED HDD): 500 GB, 500 GB m DVD-ROM, DVD+/-RW, Slot-load DVD 2 external 5.25-inch bays, 3 internal 2 PCI Express Gen3 x16; 1 PCI Expres Professional 2D: NVIDIA NVS 300, N Entry 3D: NVIDIA Quadro 41 Mid-range 3D: NVIDIA Quadro K2I High-end 3D: NVIDIA Quadro K2I High-end 3D: NVIDIA Quadro K2I Creative Recon3D PCIe Audio Card, In Dual integrated Intel GbE LAN; Infined I210-T1 PCIe NIC Front: 2 USB 3.0, 1 USB 2.0, 1 IEE Rear: 2 USB 3.0, 4 USB 2.0, 1 aud 1 Thunderbolt™ 2 port via Internal: 6 USB 2.0 HP PS/2 keyboard, HP USB keyboard USB SpaceMouse Pro, USB SpacePi 17.5 x 6.75 x 18.3 in (44.45 x 17.15 x) 800 Watt 90% efficient tool-free pow HP DreamColor LP2480zx Profession R2440w 24-inch LED Backlit IPS Max	(1) 2.5- nax; Not +/-RW, I +/-RW, I +/-RW, I -/-RW, I -/-	TB max; Up to inch SATA see: Fourth dri Blu-ray Writen bays, Note: x8, 1 PCI Exp VS 310, NVIII A Quadro K6 ID FirePro™ 1 d Intel/Realt 1.2 Controlled a standard, audio out, 1 rall add-in PCI B Smart Carc cm)	b (4) 3.5-inch 15 If-encrypting so we occupies one er, 22-in-1 Media Fourth HDD occ oress Gen2 x8 m DIA NVS 510 00, AMD FirePro N/7000, NVIDIA C ek HD ALC262 A er; Optional Broa I microphone in, microphone in, 2 e card ^{3,15} If Keyboard, HP F	K rpm SAS of lid state boo external 5.2 of Card Readon 2	drives: 300, 450, 600 obt drive (SED SSD): 25025-inch bay er external bay 4 electrical; 1 PCI Exposition (SED SSD): 2500, NVIDIA Quadro 600 all HP Thin USB Power lIC; Optional Intel GbE are out, HP 14-in-1 Meats to integrated Gigabilish (SED SED SED SED SED SED SED SED SED SED	GB, 2.4 TB max; Up to (4) 2.5-6 GB, 256 GB max; Up to (1) 2.5-6 GB, 256 GB, 25	inch SATA solid state drives: 128, 246 .5-inch SATA self-encrypting hard electrical; 1 Legacy PCI A Tesla K20c Dual Port NIC; Optional Intel Etherne pter, Rear power button with LED, HP USB optical 3-button mouse,

Screen images courtesy of Autodesk.

- * This system may require upgraded and/or separately purchased hardware to take full advantage of Windows 7 functionality. Not all features are available in all editions of Windows 7. See microsoft.com/windows/windows-7/ for details.
- ** This system is preinstalled with Windows 7 Pro software and also comes with a license and media for Windows 8 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version.
- 1. Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. 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. Performance will vary depending on your hardware and software configurations.
- 2. Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.
- Sold as an optional or add on feature.
- 4. HP Remote Graphics Software requires Windows and an internet connection.
- 5. Support for external displays as a standard feature through integrated processor-based graphics is dependent upon the particular workstation configuration; the actual number of displays supported will vary. An optional graphics solution will be required for the support of additional displays. Additional cables required. HD (high-definition) content required to view HD images.
- 6. 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. Performance will vary depending on your hardware and software configurations. See intel.com/info/em64t for more information.
- 7. Intel's numbering is not a measurement of higher performance.
- 8. HP Z620 systems configured with E5-1600 series processors may not add a 2nd processor. To support two processors, E5-2600 series processor must be chosen.
- 9. The specifications shown in this column represent the following: (all 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. 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/technology/turboboost for more information.
- 10. Each processor supports up to 4 channels of DDR3 memory. To realize full performance at least 1 DIMM must be inserted into each channel.
- 11. SATA hardware RAID is not supported on Linux systems. The Linux kernel, with built-in software RAID, provides excellent functionality and performance. It is a good alternative to hardware-based RAID. Please visit h20000.www2.hp.com/bc/docs/support/SupportManual/c00060684/c00060684.pdf for RAID capabilities with Linux
- 12. For hard drives and solid state drives, GB=1 billion bytes. TB= 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB is reserved for system recovery software.
- 13. Actual speeds may vary. Does not permit copying of commercially available DVD movies or other copyright protected materials. Intended for creation and storage of your original material and other lawful uses. Note that DVD-RAM cannot read or write to 2.6 GB Single Sided/5.2 GB Double Sided Version 1.0 media.
- 14. As Blu-ray is a new format containing new technologies, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require a DVI or HDMI digital connection and your display may require HDCP support. HD DVD movies cannot be played on this workstation.
- 15. Planned availability early 2014.
- 16. HP Care Pack Services extend service contracts beyond the standard warranties. Service starts from date of hardware purchase. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at hp.com/go/lookuptool. Additional 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.

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