HP Z620 Workstation

Versatility redefined, still compact.













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. 1,2,3,4 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.

HP Z620 Workstation

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Intel® Neon Processor E5-2690 2.9 2.0 MB 1600 MHz 8 V V V 4.9									
Intel® Year Processor S-2580 2.7 20 M8 1600 MHz 8 Y Y Y 4,8	Available Processors ^{1,2,3,4}	Processor	GHz	Cache	Memory	Cores	Hyper-Threading	Intel® vPro™ Technology	Intel® Turbo Boost Technolog
Intel® Xeon Processor Es-2680 2.7		Intel® Xeon® Processor E5-2690	2.9	20 MB	1600 MHz	8	Υ	Υ	4, 9
Intel® Xeon* Processor Es-2667 2.9 15 MB 1600 MHz 6		Intel® Xeon® Processor E5-2680	2.7	20 MB	1600 MHz	8	Υ	Υ	
Intel® Xeon*Processor E5-2665		Intel® Xeon® Processor E5-2670	2.6	20 MB	1600 MHz	8	Υ	Υ	4, 7
Intel* Xeon* Processor E5-2660		Intel® Xeon® Processor E5-2667	2.9	15 MB	1600 MHz	6	Υ	Υ	
Intel* Xeon* Processor E5-2650		Intel® Xeon® Processor E5-2665	2.4	20 MB	1600 MHz	8	Υ	Υ	4, 7
Intel® Xeon Processor E5-2643 3.3 10 MB 1600 MHz 4 Y Y Y 3.5 Intel® Xeon Processor E5-2643 2.5 15 MB 1333 MHz 6 Y Y Y 3.5 Intel® Xeon Processor E5-2630 2.3 15 MB 1333 MHz 6 Y Y Y 3.5 Intel® Xeon Processor E5-2630 2.3 15 MB 1333 MHz 6 Y Y Y 3.5 Intel® Xeon Processor E5-2630 2.4 10 MB 1066 MHz 4 N Y Y 3.5 Intel® Xeon Processor E5-2630 2.4 10 MB 1066 MHz 4 N Y Y 3.6 Intel® Xeon Processor E5-1660 3.3 15 MB 1600 MHz 4 N Y Y 3.6 Intel® Xeon Processor E5-1660 3.2 12 MB 1600 MHz 4 N Y Y 3.6 Intel® Xeon Processor E5-1620 3.6 10 MB 1660 MHz 4 N Y Y 3.6 Intel® Xeon Processor E5-1620 3.6 10 MB 1066 MHz 4 N Y Y 3.6 Intel® Xeon Processor E5-1620 3.6 10 MB 1066 MHz 4 N Y Y N/A Intel® Xeon Processor E5-1620 3.6 10 MB 1066 MHz 4 N Y Y N/A Intel® Xeon Processor E5-1620 3.6 10 MB 1066 MHz 4 N Y Y N/A Intel® Xeon Processor E5-1620 3.6 10 MB 1066 MHz 4 N N Y N/A Intel® Xeon Processor E5-1620 3.8 10 MB 1066 MHz 4 N N Y N/A Intel® Xeon Processor E5-1620 3.8 10 MB 1066 MHz 4 N N Y N/A Intel® Xeon Processor E5-1620 3.8 10 MB 1066 MHz 4 N N Y N/A Intel® Xeon Processor E5-1620 3.8 10 MB 1066 MHz 4 N N Y N/A Intel® Xeon Processor E5-1620 3.8 10 MB 1066 MHz 4 N N Y N/A Intel® Xeon Processor E5-1620 3.8 10 MB 1066 MHz 4 N N Y N/A Intel® Xeon Processor E5-1620 3.8 10 MB 1066 MHz 4 N N Y N/A Intel® Xeon Processor E5-1620 3.8 10 MB 1066 MHz 4 N N Y N/A Intel® Xeon Processor E5-1620 3.8 10 MB 1066 MHz 4 N N Y N/A Intel® Xeon Processor E5-1620 3.8 10 MB 1066 MHz 4 N N Y N/A Intel® Xeon Processor E5-1620 3.8 10 MB 1066 MHz 4 N N N/A Intel® Xeon Processor		Intel® Xeon® Processor E5-2660	2.2	20 MB	1600 MHz	8	Υ	Υ	5, 8
Intel* Xeon* Processor E5-2640		Intel® Xeon® Processor E5-2650	2.0	20 MB	1600 MHz	8	Υ	Υ	4, 8
Intel® YearO Processor E5-268.00 1.23 1.5 MB 1.333 MHz 6 7 7 7 8 1.5 MB 1.333 MHz 6 7 7 7 8 7 8 1.5 MB 1.333 MHz 6 7 7 7 8 7 8 1.5 MB 1.333 MHz 6 7 8 7 8 8 7 8 8 8 8 8 8 8		Intel® Xeon® Processor E5-2643	3.3	10 MB	1600 MHz	4	Υ	Υ	1, 2
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Intel* Xeon* Processor E5-1620 3.6 10 MB 1600 MHz 4 N Y Y N NA NA Intel* Xeon* Processor E5-1637 3.0 10 MB 1066 MHz 4 N Y Y N NA NA Intel* Xeon* Processor E5-1603 2.8 10 MB 1066 MHz 4 N Y Y N NA N		Intel® Xeon® Processor E5-1650	3.2	12 MB	1600 MHz	6	Υ	Υ	3, 6
Intel® Xeon® Processor E5-1607 3.0 10 MB 1066 MHz 4 N Y N/A		Intel® Xeon® Processor E5-1620	3.6	10 MB	1600 MHz	4	Υ	Υ	
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 Integrated 6-channel SATA controller: 2 ports 6 Gb/s + 4 ports 3 Gb/s, RAID 0, 1, 5, 10 capable; Optional SAS controller: LSI 9212-4i 4-port SAS 6 Gb/s RAID 0, 1, 10 capable 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 SATA drives: 250, 500 GB, 1 TB, 4 TB max; Up to (4) 2.5-inch SATA drives: 300, 600 GB, 24 TB max; Up to (4) 2.5-inch SATA self-encrypting sold State boot drive (SED SSD): 256 GB, 256 GB max; Up to (4) 2.5-inch SATA self-encrypting hard drive (SED HDD): 500 GB max; Note: Fourth frive occupies one external 5.2-inch bay Note: South five occupies one external 5.2-inch bay DVD-ROM, DVD+/RW, Slot-load DVD+/RW, Blu-ray Writer, 22-in-1 Media Card Reader DVD-ROM, DVD+/RW, Slot-load DVD+/RW, Blu-ray Writer, 22-in-1 Media Card Reader DVD-ROM, DVD+/RW, Slot-load DVD+/RW, Blu-ray Writer, 22-in-1 Media Card Reader DVD-ROM, DVD+/RW, Slot-load DVD+/RW, Blu-ray Writer, 22-in-1 Media Card Reader DVD-ROM, DVD+/RW, Slot-load DVD+/RW, Blu-ray Writer, 22-in-1 Media Card Reader DVD-ROM, DVD+/RW, Slot-load DVD+/RW, Blu-ray Writer, 22-in-1 Media Card Reader DVD-ROM, DVD+/RW, Slot-load DVD+/RW, Blu-ray Writer, 22-in-1 Media Card Reader DVD-ROM, DVD-/RW, Slot-load DVD+/RW, Blu-ray Writer, 22-in-1 Media Card Reader DVD-ROM, DVD-/RW, Slot-load DVD+/RW, Blu-ray Writer, 22-in-1 Media Card Reader DVD-ROM, DVD-/RW, Slot-load DVD+/RW, Blu-ray Writer, 22-in-1 Media Card Reader DVD-ROM, DVD-/RW, Slot-load DVD+/RW, Blu-ray Writer, 22-in-1 Media Card Reader (Speakers) NVIDIA Quadro 4100, NVIDIA Quadro 600, NVIDIA Quadro K5000, NVIDIA Qu		Intel® Xeon® Processor E5-1607	3.0	10 MB	1066 MHz	4	N	Υ	
Integrated 6-channel SATA controller: 2 ports 6 Gb/s + 4 ports 3 Gb/s, RAID 0, 1, 5, 10 capable; Optional SAS controller: LSI 9212-4i 4-port SAS 6 Gb/s RAID 0, 1, 10 capable 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 10K rpm SATA drives: 250, 500 GB, 1 TB, 4 TB max; Up to (4) 2.5-inch 5ATA SATA SatI SatI SatI drives: 128, 160, 256, 300 GB, 1 TB, 4 TB max; Up to (1) 2.5-inch SATA self-encrypting solid state boot drive (SED SSD): 256 GB, 256 GB max; Up to (1) 2.5-inch SATA self-encrypting hard drive (SED HDD): 500 GB, 1 TB max; Up to (1) 2.5-inch SATA self-encrypting hard drive (SED HDD): 500 GB, 1 TB, 4 TB max; Up to (1) 2.5-inch SATA self-encrypting hard drive (SED HDD): 500 GB, 1 TB, 4 TB max; Up to (1) 2.5-inch SATA self-encrypting hard drive (SED HDD): 500 GB, 1 TB, 4		Intel® Xeon® Processor E5-1603	2.8	10 MB	1066 MHz	4	N	Υ	N/A
Integrated 6-channel SATA controller: 2 ports 6 Gb/s + 4 ports 3 Gb/s, RAID 0, 1, 5, 10 capable; Optional SAS controller: LSI 9212-4i 4-port SAS 6 Gb/s RAID 0, 1, 10 capable 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, 2.4 TB max; Up to (4) 2.5-inch 15K rpm SAS drives; 300, 600 GB, 2.4 TB max; Up to (4) 2.5-inch SATA solid state drives; 128, 160, 255, 300 GB, 1.2 TB max; Up to (1) 2.5-inch SATA solid state drives; 128, 160, 255, 300 GB, 1.2 TB max; Up to (1) 2.5-inch SATA solid state drives; 128, 160, 255, 300 GB max; Note: Fourth drive occupies one external 5.25-inch bay DVD-ROM, DVD+/-RW, Slot-load DVD+/-RW, Blu-ray Writer, 22-in-1 Media Card Reader Drive Bays 2 external 5.25-inch bays, 3 internal 3.5-inch bays, Note: Fourth HDD occupies one external bay 2 external 5.25-inch bays, 3 internal 3.5-inch bays, Note: Fourth HDD occupies one external bay 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 Professional 2D: NVIDIA Quadro 100, NVIDIA NVS 310, NVIDIA NVS 510 NVIDIA Quadro 2000, NVIDIA Quadro 8000, NVIDIA	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, 2.4 TB max; Up to (4) 3.5-inch 15K rpm SA5 drives: 300, 600 GB, 2.4 TB max; Up to (4) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 1.7 B max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB max; Note: Fourth drive occupies one external 5.25-inch bay 500 GB max; Note: Fourth drive occupies one external 5.25-inch bay 500 GB max; Note: Fourth drive occupies one external 5.25-inch bay 500 GB max; Note: Fourth drive occupies one external 5.25-inch bay 500 GB max; Note: Fourth drive occupies one external 5.25-inch bay	Memory ⁶	Up to 12 DIMM slots with 2 CPUs, up to 192 GB, 8-channel ECC DDR3 1600 MHz; 4 channels per CPU							
Scharage*** SAS drives: 300, 600 GB, 2.4 TB max; Up to (4) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 12.1 TB max; Up to (1) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB, 128, 160, 160, 160, 160, 160, 160, 160, 160	Drive Controllers	Integrated 6-channel SATA controller: 2 ports 6 Gb/s + 4 ports 3 Gb/s, RAID 0, 1, 5, 10 capable; Optional SAS controller: LSI 9212-4i 4-port SAS 6 Gb/s RAID 0, 1, 10 capable							
1.2 TB max; Up to (1) 2.5-inch SATA self-encrypting solid state boot drive (SED SSD): 256 GB, 256 GB max; Up to (1) 2.5-inch SATA self-encrypting hard drive (SED HDD): 500 GB max; Note: Fourth drive occupies one external 5.25-inch bay DVD-ROM, DVD+/-RW, Slot-load DVD+/-RW, Blu-ray Writer, 22-in-1 Media Card Reader Drive Bays 2 external 5.25-inch bays, 3 internal 3.5-inch bays, Note: Fourth HDD occupies one external bay 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 Professional 2D: NVIDIA NVS 310, NVIDIA NVS 510 Intry 3D: NVIDIA Quadro 110, NVIDIA Quadro K500, NMD FirePro™ V3900 NVIDIA Quadro 2000, NVIDIA Quadro K5000, NMD FirePro™ V7900, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA	Storage ^{7,8}	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							
Store		SAS drives: 300, 600 GB, 2.4 TB max; Up to (4) 3.5-inch 15K rpm SAS drives: 300, 450, 600 GB, 2.4 TB max; Up to (4) 2.5-inch SATA solid state drives: 128, 160, 256, 300 GB,							
DVD-ROM, DVD+/-RW, Slot-load DVD+/-RW, Blu-ray Writer, 22-in-1 Media Card Reader Drive Bays 2 external 5.25-inch bays, 3 internal 3.5-inch bays, Note: Fourth HDD occupies one external bay 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 410, NVIDIA Quadro 600, NVIDIA Quadro K600, AMD FirePro™ V3900 Mid-range 3D: NVIDIA Quadro 2000, NVIDIA Quadro K2000 High-end 3D: NVIDIA Quadro 4000, NVIDIA Quadro K4000, AMD FirePro™ V7900, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro K4000, AMD FirePro™ V7900, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro K4000, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro K4000, AMD FirePro™ W7900, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro K4000, AMD FirePro™ W7900, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro K4000, AMD FirePro™ W7900, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro K4000, AMD FirePro™ W7900, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro K4000, AMD FirePro™ W7900, AMD FirePro™ W7000, NVIDIA Quadro K5000, AMD FirePro™ W7900, AMD FirePro		1.2 TB max; Up to (1) 2.5-inch SATA self-encrypting solid state boot drive (SED SSD): 256 GB, 256 GB max; Up to (1) 2.5-inch SATA self-encrypting hard drive (SED HDD): 500 GE							
2 external 5.25-inch bays, 3 internal 3.5-inch bays, Note: Fourth HDD occupies one external bay 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 Professional 2D: hVIDIA NVS 300, NVIDIA NVS 310, NVIDIA Quadro K600, AMD FirePro™ V3900 Mid-range 3D: hVIDIA Quadro 2000, NVIDIA Quadro K0000 High-end 3D: NVIDIA Quadro 4000, NVIDIA Quadro K0000 MIDIA Quadro 4000, NVIDIA Quadro K0000, AMD FirePro™ V7900, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVID		500 GB max; Note: Fourth drive occupies one external 5.25-inch bay							
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 Quadro 410, NVIDIA Quadro 600, NVIDIA Quadro K600, AMD FirePro™ V3900 Mid-range 3D: NVIDIA Quadro 2000, NVIDIA Quadro K2000 High-end 3D: NVIDIA Quadro 400, NVIDIA Quadro K4000, AMD FirePro™ V7900, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro K4000, AMD FirePro™ V7900, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro K4000, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro K4000, AMD FirePro™ W7000, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro K5	Optical Storage ^{9,10}	DVD-ROM, DVD+/-RW, Slot-load DVD+/-RW, Blu-ray Writer, 22-in-1 Media Card Reader							
Professional 2D: Entry 3D: MVIDIA NVS 300, NVIDIA NVS 310, NVIDIA Quadro 600, NVIDIA Quadro K600, AMD FirePro™ V3900 NVIDIA Quadro K5000, NVIDIA Quadro K2000 NVIDIA Quadro K2000 NVIDIA Quadro K4000, AMD FirePro™ V7900, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro K4000, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro 6000, NVIDIA Quadro K4000, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro 6000, NVIDIA Quadro K4000, AMD FirePro™ W7000, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro 6000, NVIDIA Quadro K5000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro 6000, NVIDIA Quadro K5000, NVIDIA Quadro K5000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro K5000, NVIDIA QUADro M5000, NVIDIA QUADro M5000, NVIDIA QUADro M5000, NVIDIA QUADro	Drive Bays	2 external 5.25-inch bays, 3 internal 3.5-inch bays, Note: Fourth HDD occupies one external bay							
Entry 3D: Mid-range 3D: NVIDIA Quadro 410, NVIDIA Quadro 600, NVIDIA Quadro K600, AMD FirePro™ V3900 NVIDIA Quadro K5000, NVIDIA Quadro K2000 NVIDIA Quadro K2000 NVIDIA Quadro K4000, AMD FirePro™ V7900, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro 6000, NVIDIA Quadro K5000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro K5000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro K5000, NVIDIA Quadro K5000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro K5000, NVIDIA Quadro K5000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Quadro K5000, N	xpansion 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							
Mid-range 3D: NVIDIA Quadro 2000, NVIDIA Quadro K2000 High-end 3D: NVIDIA Quadro 4000, NVIDIA Quadro K4000, AMD FirePro™ V7900, AMD FirePro™ W7000, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Tesla C2075 Audio Creative Recon3D PCIe Audio Card, Integrated Intel/Realtek HD ALC262 Audio, optional HP Thin USB Powered Speakers 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 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) 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 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 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 R2440 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	Available Graphics								
High-end 3D: NVIDIA Quadro 4000, NVIDIA Quadro K4000, AMD FirePro™ V7900, AMD FirePro™ V7900, NVIDIA Quadro K5000, NVIDIA Quadro 6000, NVIDIA Tesla C2075 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 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 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) 44-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									
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 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 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 LP2475w 24-inch Widescreen LCD Monitor, HP ZR2240w 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor									
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 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 Imput 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 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 R2440 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									
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 nput 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) 20 wer Supply Compatible Displays (screen ized 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 R2440 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									
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 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 R2440 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		•							
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 R2440 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	Ports								
USB SpaceMouse Pro, USB SpacePilot Pro 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 LP2480zx Professional Display (24-inch diagonal widescreen), HP ZR30w 30-inch S-IPS LCD Monitor, HP ZR2740w 27-inch LED Backlit IPS Monitor, HP R2440 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									
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 R2440 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	Input Devices	HP PS/2 keyboard, HP USB keyboar	d, HP USB	Smart Card K	eyboard, HP PS/	'2 mouse, HP	USB optical mouse, US	SB 1000dpi laser mouse, HP U	SB optical 3-button mouse,
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									
Compatible Displays (screen lize 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 21.5-inch LED Backlit IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor IPS Monitor, HP ZR2040w 20-inch LED Backlit IPS Monitor	Dimensions (H x W x D)								
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									
Narranty ¹¹ Limited three-year Mon-Fri 8-5 next business day, parts, labor and 24x7 phone support, terms and conditions may vary. Extendable up to five years.	Compatible Displays (screen size diagonally measured)	HP DreamColor LP2480zx Profession 24-inch LED Backlit IPS Monitor, HP	onal Displa LP2475w	y (24-inch dia 24-inch Wide	gonal widescree screen LCD Moni	en), HP ZR30v itor, HP ZR22	w 30-inch S-IPS LCD Mo 40w 21.5-inch LED Bao	onitor, HP ZR2740w 27-inch LI cklit IPS Monitor, HP ZR2040w	ED Backlit IPS Monitor, HP R2440 20-inch LED Backlit IPS Monitor
	Narranty ¹¹	Limited three-year Mon-Fri 8-5 nex	t business	day, parts, la	bor and 24x7 ph	one support,	terms and conditions	may vary. Extendable up to fiv	e years.

Screen images courtesy of Autodesk

- This system may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See microsoft.com/windows/windows-7/ for details
- Multi-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.
- 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.
- Intel's numbering is not a measurement of higher performance.
- 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.

 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.
 Each processor supports up to 4 channels of DDR3 memory. To realize full performance at least 1 DIMM must be inserted into each channel.
- 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 For hard drives, 1 GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less.
- 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.

 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
- 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.

Learn more

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• Legacy handles virtually every major manufacturer of mobile computing, barcoding and point of sale equipment.

Expert Repair and Maintenance services

· Legacy is one of the best repair facilities in North America

Discontinued product sourcing

 They don't make it anymore? Our inventory also includes manufacturer close-outs and discontinued equipment to support our clients legacy infrastructure.

Trade-in and Disposal services

- That old equipment laying around your facility may still have some value.
 Legacy routinely purchases equipment from our clients around the globe.
 - · Data destruction
 - · Hardware disposal
 - Auditing services

Dedicated client account team

 Dedicated, highly trained account managers are here to answer all your questions and provide top notch service.

Equipment rental services

• Sometimes renting is a better solution, Legacy's huge rental inventory provides the equipment you need for temporary needs and projects.











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