ProductSheet

HP Z2 Tower G9 Workstation (87D62UT)

Pro-power. Today and tomorrow

Experience a whole new level of performance for your professional workflow. The Z2 Tower is engineered to seamlessly run multi-threaded apps for fast rendering, simulation, and now real-time ray tracing. And when your demands change, you have impressive expandability to upgrade.



Your new benchmark for entry workstation power

Designed for zero throttling so you can render, simulate, and real-time ray trace without overheating or lags.

Built to expand. Power to grow

With room to expand and tool-less access, you can easily upgrade and add components as your needs evolve.

ISV Certified

Work with confidence knowing your PC is certified with leading software applications to ensure peak performance[3]

Featuring

Windows 11

Work anywhere without compromising on performance or security with Windows 11 powered by HP's collaboration and connectivity technology.

Intel® Core™ i7 processor

Run several CPU—heavy programs simultaneously without sacrificing performance with an Intel® Core $^{\text{TM}}$ i7 processor. [4]

Security is your top priority

 $\label{thm:configured} The\,\mathsf{HP}\,\mathsf{Wolf}\,\mathsf{Pro}\,\mathsf{Security}\,\mathsf{Edition}\,\mathsf{provides}\,\mathsf{preconfigured}\,\mathsf{enterprise-level}\,\mathsf{PC}\,\mathsf{protection}\,\mathsf{for}\,\mathsf{small}\,\mathsf{and}\,\mathsf{medium}\,\mathsf{sized}\,\mathsf{businesses}.$

Smaller, Functional Design

The stunning new design features front and rear ledges, so you can easily move your system from location to location.

Tool-less Access

Evolve your work. Evolve your rig. With a tool-less sliding access cover, you can easily get into the the interior, and customize your Z to fit your needs.

Specifications

Processor family 13th Generation Intel® Core™ 17-13700 (up to 5.2 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 16 cores, 24 threads) ^{16,71} Chipset Intel® V6B0 Memory 16 GB DDRS-4800 MT/s (1 x 16 GB) Memory Slots 4 DIMM Internal Storage 512 GB HP Z Turbo Drive PCIe® Gen4 TLC M.2 SSD Internal Grive bays One 2.5* HDD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 2.5* HDD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays One 18th ODD; Two 3.5* HDD; Two 3.5*		[4]	
Processor Intel® Core® 17-13700 (up to 5.2 6Hz with Intel® Turbo Boost Technology, 30 MB L3 cache, 16 cores, 24 threads) [6.7] Chipset	Operating system	Windows 11 Pro ^[1]	
Chipset Intel® W680 Memory 16 GB DDR5-4800 MT/s (1 x 16 GB)	Processor family	13th Generation Intel® Core™ i7 processor	
Memory 16 GB DDR5-4800 MT/s (1 x 16 GB) Memory Slots 4 DIMM Internal Storage \$12 GB HP Z Turbo Drive PCIe® Gen4 TLC M, 2 SSD Internal drive bays One 2.5° HDD; Two 3,5° HDD; Three M, 2 NVME 2280 SSD External drive bays One slim ODD; One 5.25° ODD Graphics Integrated Graphics (Integrated) Intel® UHD Graphics 770 Compatible displays All HP 2 Displays and HP DreamColor Displays are supported. For more information see www.hp.com/go/zdisplays Audio Realtek ALC3205-V42-CG, 2.0W internal mono speaker Minimum dimensions (W x D x H) 33.6 × 16.9 × 38.5 cm Minimum dimensions (W x D x H) 14 × 6.7 × 15.2 in Keybard Starting at 6.2 kg Executive displik depends on configuration.) Weight Starting at 13.7 lb Executive displik depends on configuration.) Keyboard HP Wired Deskoto 320K Keyboard Ports 4 SuperSpeed USB Type-A 10Gbps signaling rate (1 charging); 1 universal audio jack Expansion slots 1 PCIC 3 x kd; 16 connector); 1 PCIC 3 x4 (x4 connector); 1 PCIC 3 x1 (x4 connector); 1 PCIC 3 x4 (x4 connector); 1 PCIC 3 x1 (x4 connector); 1 PCIC 3 x4 (x4 connect	Processor	Intel® Core™ i7-13700 (up to 5.2 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 16 cores, 24 threads) ^[6,7]	
Memory Slots 4 DIMM Internal Storage 512 GB HP Z Turbo Drive PCIe® Gen4 TLC M.2 SSD Internal drive bays One SLIM DOD; One S.25° ODD Graphics Integrated Graphics (Integrated) Integrated Graphics (Integrated) Intel® UHD Graphics 770 Compatible displays All HP Z Displays and HP DreamColor Displays are supported. For more information see www.hp.com/go/zdisplays Audio Realtek ALC3205-VA2-CG. 2.0W internal mono speaker Minimum dimensions (W x D x H) 35.6 x 16.9 x 38.5 cm (Standard tower orientation.) Weight 5 Starting at 6.2 kg (Exact weight depends on configuration.) Weight 5 Starting at 6.2 kg (Exact weight depends on configuration.) Keyboard HP Wired Desktop 320K Keyboard Ports 4 SuperSpeed USB Type-A 10Gbps signaling rate (1 charging); 1 universal audio jack Expansion slots 1 PC is 3 x4 (x 16 connector); 1 PC is 3 x4 (x 4 connector); 1 PC is 3 x1 (x 4 connector); 1 PC is 5 x16 (x 16 connector); 1 M.2 2230 slot for WLNA and 3 M.2 2280 slots for storage) Ports 1 audio-in; 1 audio-out; 1 RI-45; 2 DisplayPort** 1.4; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-A 20Gbps signaling rate; 3 USB Type-A 480Mbps signaling rate; 1 SuperSpeed USB Type-A 56Bps signaling rate; 3 USB Type-A 480Mbps signaling rate; 1 SuperSpeed USB Type-A	Chipset	Intel® W680	
Internal Storage 512 GB HP Z Turbo Drive PCIe* Gen4 TLC M.2 SSD Internal drive bays One 2.5* HDD; Two 3.5* HDD; Three M.2 NVME 2280 SSD External drive bays Integrated Graphics (Integrated) Integrated Graphics (Integrated) Intel* UHD Graphics 770 Compatible displays All HP Z Displays and HP DreamColor Displays are supported. For more information see www.hp.com/go/zdisplays Audio Realtek ALC3205-VA2-CG, 2.0W Internal mono speaker Minimum dimensions (W x D x H) ## Sc. x 15.6 x 16.9 x 38.5 cm	Memory	16 GB DDR5-4800 MT/s (1 x 16 GB)	
Internal drive bays	Memory Slots	4 DIMM	
External drive bays One slim ODD; One 5.25° ODD Graphics Integrated Graphics (integrated) Intel® UHD Graphics 770 Compatible displays All HP Z Displays and HP DreamColor Displays are supported. For more information see www.hp.com/go/zdisplays Audio Realtek ALC3205-VA2-CG, 2.0W internal mono speaker Minimum dimensions (W x D x H) 35.6 x 16.9 x 38.5 cm (Standard tower orientation.) Minimum dimensions (W x D x H) 45.7 x 15.2 in (Standard tower orientation.) Weight Starting at 6.2 kg (Exact weight depends on configuration.) Weight Starting at 6.2 kg (Exact weight depends on configuration.) Keyboard HP Wired Desktop 320K Keyboard Ports 4 SuperSpeed USB Type-A 10Gbps signaling rate (1 charging); 1 universal audio jack Expansion slots 1 PCIe3 x4 kg 16 connector); 1 PCIe3 x4 kg 4 connector); 1 PCIe3 x1 kg 4 connector); 1 PCIe3 x1 kg 4 kg 4 connector); 1 PCIe3 xg kg 4 kg 4 connector); 1 PCIe3 xg kg 4 kg 4 connector); 1 PCIe3 xg kg kg kg 4 connector); 1 PCIe3 xg kg	Internal Storage	512 GB HP Z Turbo Drive PCIe® Gen4 TLC M.2 SSD	
Graphics Integrated Intel® UND Graphics 770 Compatible displays All HP Z Displays and HP DreamColor Displays are supported. For more information see www.hp.com/go/zdisplays Addio Realtek ALC3205-VA2-CG, 2.0W internal mono speaker Minimum dimensions (W x D x H) 35.6 x 15.6 x 38.5 cm (Standard tower orientation.) Minimum dimensions (W x D x H) 14 x 6.7 x 15.2 ln (Standard tower orientation.) Weight Starting at 1.3 x lb (Standard tower orientation.) Weight (Exact weight depends on configuration.) Keyboard HP Wired Desktop 320K Keyboard Pointing device HP Wired 320M Mouse Ports 4 SuperSpeed USB Type-A 10Gbps signaling rate (1 charging); 1 universal audio jack I PICH 3 x 46 (15 connector); 1 PCLe 3 x 16 (x 4 connector); 1 PCLe 5 x 16 (x 16 connector); 1 M.2 2230 PCLe 3 x 1 for WLAN and 3 M.2 2280 slots for storage) Ports 1 audio-in-in 1 audio-out; 1 Hz-45; 2 DisplayPort** 1.4; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-A 10Gbps signaling rate; 3 USB Type-A 480Mbps signaling rate Package dimensions (W x D x H) 51.8 x 29.5 x 49 cm Power 700 W 92% efficient, wide-ranging, active PFC Ecolabels EPEAT* registered Benergy star certified ENERGY STAR® certified Management features Post Wish Portiver Packs; HP Wanagement Integration Kit for Microsoft System Center Configuration Management Gen4; HP System Software Manager (download); HP BIOS Configuration Utility (download) ^[18] Sustainable impact specifications Fund The Point Packs; HP Wanagement Integration Kit for Microsoft System Center Configuration Management Gen4; HP System Software Manager (download); HP BIOS Configuration Utility (download) ^[18] Ocean-bound plastic in speaker enclosure; 45% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk pack kaging available; 80 Plus* Gold power supplies available; Molded paper pulp cushion inside box is 100% sustainably source dand recyclable; Ocean-bound plastic in speaker infa; Contains recycled metal HP Steure Errase: HP Sure Click: HP BIOSphere Gen6; HP Su	Internal drive bays	One 2.5" HDD; Two 3.5" HDD; Three M.2 NVME 2280 SSD	
Graphics (Integrated) Intel® UHD Graphics 770 Compatible displays All HP Z Displays and HP DreamColor Displays are supported. For more information see www.hp.com/go/zdisplays Audio Realtek ALC3205-VA2-CG, 2.0W internal mono speaker Minimum dimensions (W x D x H) 35.6 x 16.9 x 38.5 cm (Standard tower orientation.) Minimum dimensions (W x D x H) Minimum dimensions (W x D x H) Starting at 6.2 kg (Exact weight depends on configuration.) Weight Starting at 13.7 lb (Exact weight depends on configuration.) Keyboard HP Wired Desktop 320K Keyboard HP Wired Desktop 320K Keyboard Pointing device HP Wired Desktop 320K Keyboard Pointing device HP Wired 2020 Mouse Ports 4 SuperSpeed USB Type-A 106bps signaling rate (1 charging); 1 universal audio jack 1 PCie 3 x4 (x16 connector); 1 PCie 3 x4 (x4 connector); 1 PCie 3 x1 (x4 connector); 1 PCie 5 x16 (x16 connector); 1 M. 2 2230 PCie 3 x1 for WLAN M. 2 2230 PCie 3 x1 for WLAN M. 2 2230 PCie 3 x1 for WLAN M. 2 2230 Side for WLAN and 3 M.2 2280 sides for storage) Ports 1 audio-in: 1 audio-out: 1 RL-45; 2 DisplayPort™ 1.4: 2 SuperSpeed USB Type-A 106bps signaling rate; 1 SuperSpeed USB Type-A 50bps signaling rate; 3 USB Type-A 480Mbps signaling rate Power 70 W 92% efficient, wide-ranging, active PFC Ecolabels Erecary star certified Management features Sustainable impact specification HP Driver Packs; HP Management Integration Kit for Microsoft System Center Configuration Management Gen4; HP System Software Manager (download); HP BIOS Configuration Utility (download) ^[18] Ocean-bound plastic in speaker enclosure: 45% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk packaging available; 80 Plus-6 Gold power supplies available dap paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and system fan; Contains recycled metal HP Secure Errace: HP Sure Click; HP BIOSphere Gen6; HP Sure Admin; Hood Sensor Optional Kit; HP Client Security Manager Gen6; HP Sure Start Ge	External drive bays	One slim ODD; One 5.25" ODD	
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Audio Realtek ALC3205-VA2-CG, 2.0W internal mono speaker Minimum dimensions (W x D x H) 3.5 & x 16, 9 x 38, 5 cm (Standard tower orientation.) Minimum dimensions (W x D x H) 3.5 & x 16, 9 x 38, 5 cm (Standard tower orientation.) Weight Starting at 6.2 kg (Exact weight depends on configuration.) Weight Starting at 13, 7 lb (Exact weight depends on configuration.) Keyboard HP Wired Desktop 320K Keyboard Ports 4 SuperSpeed USB Type-A 10Gbps signaling rate (1 charging); 1 universal audio jack Expansion slots 1 PCIe 3 x4 (x16 connector); 1 PCIe 3 x4 (x4 connector); 1 PCIe 3 x1 (x4 connector); 1 PCIe 5 x16 (x16 connector); 1 M. 22230 PCIe 3 X1 for WLAN (I M. 2230 ofte for WLAN and 3 M. 2 2280 slots for storage) Ports 1 audio-in; 1 audio-out; 1 BJ-45; 2 DisplayPort™ 1.4; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 3 USB Type-A 480Mbps signaling rate Package dimensions (W x D x H) 51.8 x 29.5 x 49 cm Power 700 W 92% efficient, wide-ranging, active PFC Ecolabels EPERT® registered Energy star certified ENERGY 5TAR® certified Management features POiver Packs; HP Management Integration Kit for Microsoft System Center Configuration Management Gen4; HP System Software Manager (download); HP BIOS Configuration Utility (download); 18 Sustainable impact specifications	Graphics (integrated)	Intel® UHD Graphics 770	
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Minimum dimensions (W x D x H) 14 x 6.7 x 15.2 in 15 x 6.2 kg (Exact weight depends on configuration.)	Audio	Realtek ALC3205-VA2-CG, 2.0W internal mono speaker	
Weight Starting at 6.2 kg (Exact weight depends on configuration.) Weight Starting at 13.7 lb (Exact weight depends on configuration.) Keyboard HP Wired Desktop 320K Keyboard Pointing device HP Wired 320M Mouse Ports 4 SuperSpeed USB Type-A 10Gbps signaling rate (1 charging); 1 universal audio jack Expansion slots 1 PCLe 3 x4 (x16 connector); 1 PCLe 3 x4 (x4 connector); 1 PCLe 3 x1 (x4 connector); 1 PCLe 5 x16 (x16 connector); 1 M. 2 2230 PCLe 3 X1 for WLAN (1 M. 2 2230 PCLe 3 X1 for WLAN (1 M. 2 2230 Sclos for storage) Ports 1 audio-in; 1 audio-out; 1 RJ-45; 2 DisplayPort™ 1.4; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 3 USB Type-A 480Mbps signaling rate SuperSpeed USB Type-A 95Gbps signaling rate; 3 USB Type-A 480Mbps signaling rate Power 700 W 92% efficient, wide-ranging, active PFC Ecolabels EPEAT® registered Energy star certified ENERGY STAR® certified Management features HP Driver Packs; HP Management Integration Kit for Microsoft System Center Configuration Management Gen4; HP System Software Manager (download); HP BIOS Configuration Utility (download) ^[18] Ocean-bound plastic in speaker enclosure; 45% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk packaging available; 80 Plus® Gold power supplies available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and system fan; Contains recycled metal HP Secure Erase; HP Sure Click; HP BIOSphere Gen6; HP Sure Admin; Hood Sensor Optional Kit; HP Client Security Manager Gen6; HP Sure Recover Gen4; HP Sure Sense Gen2; HP Sure Run Gen5 ^[19,20,21,22,23,24,25,26,33] Boftware included Assistant; HP Manageability Integration Kit; Performance Advisor 3.0 ^[15,16,17]	Minimum dimensions (W x D x H)		
Weight (Exact weight depends on configuration.) Keyboard HP Wired Desktop 320K Keyboard Ports 4 SuperSpeed USB Type-A 10Gbps signaling rate (1 charging); 1 universal audio jack Expansion slots 1 PCle 3 x4 (x16 connector); 1 PCle 3 x4 (x4 connector); 1 PCle 3 x4 (x4 connector); 1 PCle 5 x16 (x16 connector); 1 M. 2 2230 PCle 3 X1 for WLAN (1 M.2 2230 PCle 3 X1 for WLAN and 3 M.2 2280 slots for storage) Ports 1 audio-in; 1 audio-out; 1 RJ-45; 2 DisplayPort™ 1.4; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 3 USB Type-A 480Mbps signaling rate Package dimensions (W x D x H) 51.8 x 29.5 x 49 cm Power 700 W 92% efficient, wide-ranging, active PFC Ecolabels EPEAT® registered Energy star certified ENERGY STAR® certified Management features HP Driver Packs; HP Management Integration Kit for Microsoft System Center Configuration Management Gen4; HP System Software Manager (download); HP BIOS Configuration Utility (download) ^[18] Sustainable impact specifications Ocean-bound plastic in speaker enclosure; 45% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk packaging available, 80 Plus® Gold power supplies available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and system fan; Contains recycled metal Security management HP Secure Erase; HP Sure Click; HP BlOSphere	Minimum dimensions (W x D x H)		
Keyboard HP Wired Desktop 320K Keyboard Pointing device HP Wired 320M Mouse Ports 4 SuperSpeed USB Type-A 10Gbps signaling rate (1 charging); 1 universal audio jack Expansion slots 1 PCle 3 x4 (x16 connector); 1 PCle 3 x4 (x4 connector); 1 PCle 3 x1 (x4 connector); 1 PCle 5 x16 (x16 connector); 1 M.2 2230 PCle 3 X1 for WLAN (1 M.2 2230 slot for WLAN and 3 M.2 2280 slots for storage) Ports 1 audio-in; 1 audio-out; 1 RJ-45; 2 DisplayPort™ 1.4; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-A 19Gbps signaling rate; 1 SuperSpeed USB Type-A 480Mbps signaling rate Package dimensions (W x D x H) 51.8 x 29.5 x 49 cm Power 700 W 92% efficient, wide-ranging, active PFC Ecolabels EPEAT® registered Energy star certified ENERGY STAR® certified Management features HP Driver Packs; HP Management Integration Kit for Microsoft System Center Configuration Management Gen4; HP System Software Manager (download); HP BIOS Configuration Utility (download) ^[18] Sustainable impact specifications Ocean-bound plastic in speaker enclosure; 45% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk packaging available; 80 Plus® Gold power supplies available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and system fan; Contains recycled metal Security management HP Secure Erase; HP Sure Click; HP BIOSphere Gen6;	Weight		
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Ports 4 SuperSpeed USB Type-A 10Gbps signaling rate (1 charging); 1 universal audio jack 1 PCle 3 x4 (x16 connector); 1 PCle 3 x4 (x4 connector); 1 PCle 3 x1 (x4 connector); 1 PCle 5 x16 (x16 connector); 1 M.2 2230 PCle 3 X1 for WLAN (1 M.2 2230 Slot for WLAN and 3 M.2 2280 Slots for storage) Ports 1 audio-in; 1 audio-out; 1 RJ-45; 2 DisplayPort™ 1.4; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 3 USB Type-A 480Mbps signaling rate Package dimensions (W x D x H) 51.8 x 29.5 x 49 cm Power 700 W 92% efficient, wide-ranging, active PFC Ecolabels EPEAT® registered Energy star certified ENERGY STAR® certified Management features PEPEAT® registered ENERGY STAR® certified Management features Ocean-bound plastic in speaker enclosure; 45% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk packaging available; 80 Plus® Gold power supplies available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and system fan; Contains recycled metal PH Secure Erase; HP Sure Click; HP BIOSphere Gen6; HP Sure Admin; Hood Sensor Optional Kit; HP Client Security Manager Gen6; HP Sure Recover Gen4; HP Sure Sense Gen2; HP Sure Run Gen5[19,20,21,22,23,24,25,26,33] Software included HP CHardware Diagnostics UEFI; HP Support Assistant; HP PC Hardware Diagnostics Windows; HP Image Assistant; HP Manageability Integration Kit; Performance Advisor 3.0 ^[15,16,17]	Keyboard	HP Wired Desktop 320K Keyboard	
PCIE 3 x4 (x16 connector); 1 PCIE 3 x4 (x4 connector); 1 PCIE 3 x1 (x4 connector); 1 PCIE 5 x16 (x16 connector); 1 M.2 2230 PCIE 3 X1 for WLAN (1 M.2 2230 slot for WLAN and 3 M.2 2280 slots for storage)	Pointing device	HP Wired 320M Mouse	
Expansion slots M.2 2230 PCIe 3 X1 for WLAN (I M.2 2280 slots for storage) Ports 1 audio-in; 1 audio-out; 1 RJ-45; 2 DisplayPort™ 1.4; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 3 USB Type-A 480Mbps signaling rate Package dimensions (W x D x H) 51.8 x 29.5 x 49 cm Power 700 W 92% efficient, wide-ranging, active PFC Ecolabels EPEAT® registered Energy star certified ENERGY STAR® certified Management features HP Driver Packs; HP Management Integration Kit for Microsoft System Center Configuration Management Gen4; HP System Software Manager (download); HP BIOS Configuration Utility (download) ^[18] Sustainable impact specifications Ocean-bound plastic in speaker enclosure; 45% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk packaging available; 80 Plus® Gold power supplies available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and system fan; Contains recycled metal Security management HP Secure Erase; HP Sure Click; HP BIOSphere Gen6; HP Sure Admin; Hood Sensor Optional Kit; HP Client Security Manager Gen6; HP Sure Start Gen7; HP Sure Recover Gen4; HP Sure Sense Gen2; HP Sure Run Gen5 ^[19,20,21,22,23,24,25,26,33] Software included HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP PC Hardware Diagnostics Windows; HP Image Assistant; HP Manageability Integration Kit; Performance Advisor 3.0 ^[15,16,17]	Ports	4 SuperSpeed USB Type-A 10Gbps signaling rate (1 charging); 1 universal audio jack	
Package dimensions (W x D x H) 51.8 x 29.5 x 49 cm 700 W 92% efficient, wide-ranging, active PFC Ecolabels EPEAT® registered ENERGY STAR® certified Management features System Software Manager (download); HP BIOS Configuration Utility (download) ^[18] Ocean-bound plastic in speaker enclosure; 45% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk packaging available; 80 Plus® Gold power supplies available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and system fan; Contains recycled metal HP Secure Erase; HP Sure Click; HP BIOSphere Gen6; HP Sure Admin; Hood Sensor Optional Kit; HP Client Security Manager Gen6; HP Sure Start Gen7; HP Sure Recover Gen4; HP Sure Sense Gen2; HP Sure Run Gen5 [19,20,21,22,33,44,25,26,33] Software included HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP PC Hardware Diagnostics Windows; HP Image Assistant; HP Manageability Integration Kit; Performance Advisor 3.0 [15,16,17]	Expansion slots	M.2 2230 PCIe 3 X1 for WLAN	
Power 700 W 92% efficient, wide-ranging, active PFC Ecolabels EPEAT® registered Energy star certified ENERGY STAR® certified Management features HP Driver Packs; HP Management Integration Kit for Microsoft System Center Configuration Management Gen4; HP System Software Manager (download); HP BIOS Configuration Utility (download) [18] Sustainable impact specifications Ocean-bound plastic in speaker enclosure; 45% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk packaging available; 80 Plus® Gold power supplies available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and system fan; Contains recycled metal HP Secure Erase; HP Sure Click; HP BIOSphere Gen6; HP Sure Admin; Hood Sensor Optional Kit; HP Client Security Manager Gen6; HP Sure Start Gen7; HP Sure Recover Gen4; HP Sure Sense Gen2; HP Sure Run Gen5 [19,20,21,22,23,24,25,26,33] Software included HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP PC Hardware Diagnostics Windows; HP Image Assistant; HP Manageability Integration Kit; Performance Advisor 3.0 [15,16,17]	Ports		
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Energy star certified Management features HP Driver Packs; HP Management Integration Kit for Microsoft System Center Configuration Management Gen4; HP System Software Manager (download); HP BIOS Configuration Utility (download) ^[18] Ocean-bound plastic in speaker enclosure; 45% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk packaging available; 80 Plus® Gold power supplies available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and system fan; Contains recycled metal HP Secure Erase; HP Sure Click; HP BIOSphere Gen6; HP Sure Admin; Hood Sensor Optional Kit; HP Client Security Manager Gen6; HP Sure Start Gen7; HP Sure Recover Gen4; HP Sure Sense Gen2; HP Sure Run Gen5 ^[19,20,21,22,23,24,25,26,33] HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP PC Hardware Diagnostics Windows; HP Image Assistant; HP Manageability Integration Kit; Performance Advisor 3.0 ^[15,16,17]	Power	700 W 92% efficient, wide-ranging, active PFC	
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Security management Manager Gen6; HP Sure Start Gen7; HP Sure Recover Gen4; HP Sure Sense Gen2; HP Sure Run Gen5 ^[19,20,21,22,23,24,25,26,33] Software included HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP PC Hardware Diagnostics Windows; HP Image Assistant; HP Manageability Integration Kit; Performance Advisor 3.0 ^[15,16,17]	Sustainable impact specifications	plastic; Bulk packaging available; 80 Plus® Gold power supplies available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and system fan; Contains	
Assistant; HP Manageability Integration Kit; Performance Advisor 3.0 ^[15,16,17]	Security management	Manager Gen6; HP Sure Start Gen7; HP Sure Recover Gen4; HP Sure Sense Gen2; HP Sure Run	
	Software included		
	UPC number		

Top Recommended Displays, Accessories and Services

Z Displays		
HP Z27k G3 4K USB-C Display	1B9TOAA	
HP Z24m G3 QHD Conferencing Display	4Q8N9AA	
Speakerphones		
Poly Sync 20+ USB-C Speakerphone	772DOAA	
Poly Sync 20 USB-C Speakerphone	7F0J7AA	
Poly Sync 10 USB-A USB-C Speakerphone	772C3AA	
Wireless Headset		
Poly Voyager Focus 2 USB-C-C Headset +USB-C/A Adapter	AAELeTe	
Wired Headset		
Poly Blackwire 8225 Stereo USB-C Headset +USB-C/A Adapter	8X223AA	
Poly Blackwire 5220 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter	8X231AA	

Messaging Footnotes

- [3] Third party software sold separately.
- [4] Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

Technical Specifications Footnotes

- [1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.
- [6] 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. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.
- [7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost/for more information.
- [16] HP Performance Advisor Software HP Performance Advisor is ready and waiting to help you get the most out of your HP Workstation from day one—and every day after. Learn more or download at: https://www8.hp.com/us/en/workstations/performance-advisor.html
- [17] HP Support Assistant requires Windows and Internet access.
- [18] HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html
- [19] HP Client Security Manager Gen7 requires Windows and is available on the select HP PCs.
- [20] HP BIOSphere Gen6 features may vary depending on the platform and configurations.
- [21] HP Sure Click requires Windows 11 Pro or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
- [22] HP Sure Start Gen7 is available on select HP PCs and workstations. See product specifications for availability.
- [23] HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 and higher.
- [24] HP Sure Recover Gen4 is available on select HP PCs and requires an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.
- [25] HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.
- [26] HP Sure Sense requires Windows 11 Pro or Enterprise and supports Microsoft Internet Explorer, Google Chrome™, and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.
- [33] HP Sure Admin requires Windows 10 or higher, HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.

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