



# HP Z2 Tower G9 Workstation (BG9V4UA)

## Overview



### 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.

### ISV Certified

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

### 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.

## Features

### HP recommends Windows 11 Pro for business

Work anywhere without compromising on performance with Windows 11 and HP collaboration, security, and connectivity technology. Summarize and rewrite content, get relevant content recommendations, and stay organized with Microsoft Copilot.<sup>[4]</sup>

### Intel® Core™ i7 processor

Run several CPU-heavy programs simultaneously without sacrificing performance with an Intel® Core™ i7 processor.<sup>[5]</sup>

### 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 interior, and customize your Z to fit your needs.

### Thermal Management

Innovatively designed to keep hardware components cool and quiet no matter how hard you push it. Have confidence to run your system at max load.

### Unthrottled Performance

Z's industry-leading thermals keep the processor and graphics card cool, so they can run at max performance for extended periods of time.

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*[3] Third party software sold separately.*

*[4] 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 11 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>. Microsoft Copilot requires Windows 11. Some features require an NPU. Timing and availability will be dependent on Microsoft and varies by market and device. Requires Microsoft account to log in. Where Copilot is not available, the Copilot key will lead to the Bing search engine. See <http://aka.ms/WindowsAIFeatures>.*

*[5] 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.*

## Specifications

Operating system	Windows 11 Pro <sup>[1]</sup>
Processor family	Intel® Core™ i7 14th generation processor
Processor	Intel® Core™ i7-14700K (up to 5.6 GHz with Intel® Turbo Boost Technology, 33 MB L3 cache, 20 cores, 28 threads) <sup>[6,7]</sup>
Chipset	Intel® W680
Memory	64 GB DDR5-4800 MT/s (2 x 32 GB)
Memory Slots	4 DIMM
Internal Storage	2 TB 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	Discrete
Graphics (discrete)	NVIDIA RTX™ A1000 (8 GB GDDR6 dedicated)
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics 770
Compatible displays	All HP Z Displays and HP DreamColor Displays are supported. For more information see <a href="http://www.hp.com/go/zdisplays">www.hp.com/go/zdisplays</a>
Audio	Realtek ALC3205-VA2-CG, 2.0W internal mono speaker
Dimensions (W x D x H)	35.6 x 16.9 x 38.5 cm (Standard tower orientation.)
Dimensions (W x D x H)	14 x 6.7 x 15.2 in (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 125 Wired 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 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)
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
Network interface	Intel® I219-LM GbE

<b>Power</b>	700 W 92% efficient, wide-ranging, active PFC
<b>Ecolabels</b>	EPEAT® registered
<b>Energy star certified</b>	ENERGY STAR® certified
<b>Management features</b>	HP Driver Packs; HP Management Integration Kit for Microsoft System Center Configuration Management Gen4; HP System Software Manager (download); HP BIOS Configuration Utility (download) <sup>[18]</sup>
<b>Sustainable impact specifications</b>	80 Plus® Gold power supplies available; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; 45% post-consumer recycled plastic; 10% ITE-derived closed loop plastic; Low halogen PCAs; Product Carbon Footprint; Ocean-bound plastic in system fan, processor fan and speaker
<b>Security management</b>	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 <sup>[19,20,21,22,23,24,25,26,33]</sup>
<b>Software included</b>	HP Support Assistant; HP PC Hardware Diagnostics Windows; HP Image Assistant; HP Manageability Integration Kit; Performance Advisor 3.0 <sup>[15,16,17]</sup>
<b>UPC number</b>	199251114540

## Additional specifications

<b>Additional information about HP in the countries</b>	hp.com
<b>Datasheet photo 1</b>	AHID/de7a8a5d9d60419ab96b43dba2ee0754a4454ee6
<b>Datasheet photo 3</b>	Publication photos/Kombucha_Z_JetBlack_Coreset_Vertikal_FrontRight_3.jpg
<b>Datasheet photo 4</b>	Publication photos/Kombucha_Z_JetBlack_Coreset_Vertikal_Rear_4.jpg
<b>Datasheet photo 5</b>	Publication photos/Kombucha_Z_JetBlack_Coreset_Vertikal_FrontLeft_5.jpg
<b>ECC memory</b>	ECC
<b>End of Life CO2e (kg)</b>	2
<b>Energy Usage CO2e (kg)</b>	237
<b>Graphic card footnote number</b>	[32]
<b>Graphics card brand</b>	NVIDIA®
<b>Graphics card memory size</b>	8
<b>Graphics card memory size uom</b>	GB
<b>Graphics card memory type</b>	GDDR6
<b>I/O Port location</b>	Front
<b>I/O Port location</b>	Rear
<b>Keyboard connectivity</b>	Wired
<b>Manageability Features 1</b>	HP Client Catalog (download)
<b>Manageability Features 2</b>	HP Image Assistant (download)
<b>Manageability Features 3</b>	HP Cloud Recovery
<b>Manageability Features 4</b>	HP Client Management Script Library (download)
<b>Memory and storage</b>	64 GB memory;2 TB SSD storage
<b>Memory layout (slots &amp; size)</b>	2 x 32 GB
<b>Memory module type</b>	DIMM
<b>Memory size</b>	64
<b>Memory size uom</b>	GB
<b>Memory speed</b>	4800
<b>Memory speed uom</b>	MT/s
<b>Memory type</b>	DDR5
<b>Model Number</b>	RTX™ A1000
<b>Number of memory slots</b>	2
<b>Package dimensions (W x D x H)</b>	20.39 x 11.61 x 19.29 in

<b>Playbook TS icon OS</b>	<a href="http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png">http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png</a>
<b>Playbook TS icon battery life</b>	<a href="http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905264.png">http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905264.png</a>
<b>Playbook TS icon connectivity</b>	<a href="http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png">http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png</a>
<b>Playbook TS icon dimensions tower</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201997.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201997.png</a>
<b>Playbook TS icon graphics</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png</a>
<b>Playbook TS icon memory</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267700.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267700.png</a>
<b>Playbook TS icon processor</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201972.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201972.png</a>
<b>Playbook TS icon storage</b>	<a href="http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png">http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png</a>
<b>Playbook TS icon weight imperial</b>	<a href="http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png">http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png</a>
<b>Playbook TS icon weight metric</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png</a>
<b>Processor Brand</b>	Intel®
<b>Processor cache</b>	33 MB L3 cache
<b>Processor core</b>	20
<b>Processor family</b>	Core™ i7
<b>Processor frequency technology</b>	Intel® Turbo Boost Technology
<b>Processor generation</b>	14th Generation
<b>Processor maximum frequency</b>	5.6
<b>Processor maximum frequency uom</b>	GHz
<b>Processor model</b>	14700K
<b>Processor threads</b>	28
<b>Product long name specifications</b>	HP Z2 Tower G9 Workstation, Windows 11 Pro, Intel® Core™ i7, 64GB RAM, 2TB SSD, NVIDIA® RTX™ A1000
<b>Product short name specifications</b>	HP Z2 Tower G9 Workstation, Intel® Core™ i7, 64GB RAM, 2TB SSD
<b>Production CO2e (kg)</b>	222
<b>Security management</b>	HP Tamper Lock
<b>Software included</b>	WPS Office
<b>Software included</b>	HP Notifications
<b>Software included</b>	HP Desktop Support Utilities
<b>Software included</b>	HP Privacy Settings
<b>Software included</b>	HP UEFI BIOS Certification Level 2.7B
<b>Software included</b>	HP Documentation
<b>Software included</b>	myHP
<b>Software included</b>	Touchpoint Customizer for Commercial
<b>Standard memory note</b>	Transfer rates up to 4800 MT/s.

<b>Storage brand 01</b>	HP Z Turbo Drive
<b>Storage capacity</b>	2
<b>Storage capacity uom 01</b>	TB
<b>Storage controller</b>	Integrated SATA (4 ports 6 Gb/s) with integrated RAID 0, 1, for PCIe SSDs supported. Requires identical hard drives (speeds, capacity, interface).
<b>Storage form factor 01</b>	M.2
<b>Storage interface 01</b>	PCIe® Gen 4
<b>Storage type</b>	SSD
<b>Storage type 01</b>	SSD
<b>Total CO2e (kg)</b>	460 (A product carbon footprint is defined as the total amount of greenhouse gases emitted directly and indirectly by a product over its lifetime. Greenhouse gas emissions are reported as global warming potential for 100-year time horizon (GWP-100) in units of CO2 equivalence. Calculations are done in accordance with ISO 14040 & ISO 14044. Individual values may not sum to total due to rounding.)
<b>Transportation CO2e (kg)</b>	2
<b>UNSPSC code</b>	43211515

[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](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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## Services

### HP Care Pack Services

★ : Recommended

#### Personal Systems Hardware Support Onsite Service

HP 4 year Next Business Day Response Onsite Workstation Hardware Support	<b>U1G37E ★</b>
HP 1y Post Warranty w/Onsite Low End Workstation Supp	U1G24PE
HP 1y Post Warranty w/Onsite/DMR Low End Workstation Supp	U1G23PE
HP 3 year Next Business Day Onsite Optional CSR Workstations HardwareSupport	U1G59E
HP 3 year Next Business Day Response Onsite w/Defective Media Retention WS HW Supp	U1G55E
HP 3y Next Business Day Onsite DMR WS Solution Supp	U53ZKE
HP 4 year Next Business Day Response Onsite w/Defective Media Retention WS HW Supp	U1G56E
HP 4y Next Business Day Onsite DMR WS Solution Supp	U53ZLE
HP 4y Next Business Day Onsite WS Solution Supp	U53ZHE
HP 5 year Next Business Day Response Onsite Workstation Hardware Support	U1G39E
HP 5 year Next Business Day Response Onsite w/Defective Media Retention WS HW Supp	U1G57E
HP 5y Next Business Day Onsite DMR WS Solution Supp	U53ZME
HP 5y Next Business Day Onsite WS Solution Supp	U53ZJE

#### Personal Systems Commercial Care Pack Services

HP 3y Onsite w/Predictive Detection Alerts/Preferred Access Desktop	<b>UJ0U1E ★</b>
HP 3y Onsite w/Predictive Detection Alerts/Preferred Access/DMR Desktop	UJ0U4E
HP 3y Onsite w/Predictive Detection Alerts/Preferred Access/DMR/Peripherals Desktop	UJ0V0E
HP 3y Onsite w/Predictive Detection Alerts/Preferred Access/Peripherals Desktop	UJ0U7E
HP 4y Onsite w/Predictive Detection Alerts/Preferred Access Desktop	UJ0U2E
HP 4y Onsite w/Predictive Detection Alerts/Preferred Access/DMR Desktop	UJ0U5E
HP 4y Onsite w/Predictive Detection Alerts/Preferred Access/DMR/Peripherals Desktop	UJ0V1E
HP 4y Onsite w/Predictive Detection Alerts/Preferred Access/Peripherals Desktop	UJ0U8E
HP 5y Onsite w/Predictive Detection Alerts/Preferred Access Desktop	UJ0U3E
HP 5y Onsite w/Predictive Detection Alerts/Preferred Access/DMR Desktop	UJ0U6E

HP 5y Onsite w/Predictive Detection Alerts/Preferred Access/DMR/Peripherals Desktop	UJ0V2E
HP 5y Onsite w/Predictive Detection Alerts/Preferred Access/Peripherals Desktop	UJ0U9E

## Workforce Computing

### Support Services (Workforce Computing)

HP 3 year Active Care Next Business Day Response Onsite Workstation Hardware Support	<b>U22K9E ★</b>
HP 1 year Priority Access Plus Service for PCs (1000+ seats)	U80M9E
HP 1 year Priority Access Service for PCs (250+ seats)	U80M5E
HP 2yr Priority Access PC 250+ seats SVC	U80LYE
HP 2yr PriorityAccessPlus PC 1K+ seats SVC	U80LZE
HP 3 year Active Care Next Business Day Resp Onsite w/Defective Media Retention WS HW Supp	U22KDE
HP 3 year Priority Access Plus Service for PCs (1000+ seats)	U80MBE
HP 3 year Recover - Restore Onsite SW Supp	U80LQE
HP 3 year Recover Hard Disk Data SW Supp	U80LNE
HP 3 years Priority Access Service for PCs (250+ seats)	U80M6E
HP 3y Active Care Next Business Day Onsite DMR WS Solution Supp	U53ZDE
HP 3y Active Care Next Business Day Onsite WS Solution Supp	U53Z9E
HP 3y Out of Band Remediation Service	U95X1E
HP 4 year Active Care Next Business Day Resp Onsite w/Defective Media Retention WS HW Supp	U22KFE
HP 4 year Active Care Next Business Day Response Onsite Workstation Hardware Support	U22KBE
HP 4 year Priority Access Plus Service for PCs (1000+ seats)	U80MCE
HP 4 year Priority Access Service for PCs (250+ seats)	U80M1E
HP 4y Active Care Next Business Day Onsite DMR WS Solution Supp	U53ZFE
HP 4y Active Care Next Business Day Onsite WS Solution Supp	U53ZBE
HP 4y Out of Band Remediation Service	U95X2E
HP 5 year Active Care Next Business Day Resp Onsite w/Defective Media Retention WS HW Supp	U22KGE
HP 5 year Active Care Next Business Day Response Onsite Workstation Hardware Support	U22KCE
HP 5 year Priority Access Plus Service for PCs (1000+ seats)	U80MDE
HP 5 year Priority Access Service for PCs (250+ seats)	U80M2E
HP 5y Active Care Next Business Day Onsite DMR WS Solution Supp	U53ZGE
HP 5y Active Care Next Business Day Onsite WS Solution Supp	U53ZCE

HP 5y Out of Band Remediation Service	U95X3E
HP Recover Hard Disk Data Svc Legacy	UE372E
<b>Certified Refurbished Services (Workforce Computing)</b>	
HP Carbon Neutral Computing Services - To the Door Service for Workstations.	U53DFE
HP Carbon Neutral Computing Services - To the Door with Usage Service for Workstations	U53DGE

## Accessories for PC

### Mice/Pens/Other Pointing Devices

★ : Recommended

#### Wireless Mice

HP 715 Rechargeable Multi-Device Bluetooth Mouse

6E6F0AA ★

### Port Replicators/Dongles/Docking

#### Cables/Cable Adapters/Dongles

HP DisplayPort To VGA Adapter

AS615AA ★

HP 2.5-in to 3.5-in HDD Adapter Kit

J5T63AA

HP DisplayPort To VGA Adapter

F7W97AA

HP DisplayPort to DVI-D Adapter

FH973AA

HP DisplayPort to HDMI True 4K Adapter

2JA63AA

HP Single miniDP-to-DP Adapter Cable

2MY05AA

HP USB-C to DisplayPort Adapter

4SH08AA

HP USB-C to HDMI Adapter

4SH07AA

HP USB-C to VGA Adapter

4SH06AA

HP Z2 Power Cord Kit 1N1D5AA

1N1D5AA

HP Z2 TWR HDD Cable Kit

6Z9U6AA

### Components/Upgrades

#### Storage

HP ZTurbo 2TB PCIe-Gen 4x4 TLC Z2 SSDKit

201F8AA ★

12TB 7200 RPM SATA-6G 3.5in Enterprise HDD

5S461AA

1TB 2280 PCIe-4x4 NVMe Value M.2 Z2 SSD Module

4M9Z3AA

256GB 2280 PCIe-4x4 NVMe Value M.2 Z2 SSD Module

4M9Z1AA

2TB 7200RPM SATA 3.5in Enterprise

2Z274AA

4TB 7200 RPM SATA 3.5in Enterprise HDD

K4T76AA

512GB 2280 PCIe-4x4 NVMe Value M.2 Z2 SSD Module

4M9Z2AA

8TB 7200RPM SATA 3.5in Enterprise

2Z273AA

HP 1TB Enterprise SATA 7200 HDD

W0R10AA

HP 500GB SATA 6Gb/s 7200 Hard Drive

LQ036AA

HP CRU Secure High Performance Storage M.2 1TB Storage Module

56Q88AA

HP CRU Secure High Performance Storage M.2 2TB Storage Module

56Q87AA

HP CRU Secure High Performance Storage M.2 512GB Storage Module	56Q89AA
HP Z Turbo Drive 1TB 2280 PCIe-4x4 SED OPAL2 TLC Z2 Kit SSD	223A3AA
HP Z Turbo Drive 2TB 2280 PCIe-4x4 SED OPAL2 TLC Z2 Kit SSD	223A4AA
HP Z2 TWR DVD-ROM 9.5mm Slim ODD	4L5K1AA
HP Z2 TWR SuperMulti DVD-Writer 9.5mm Slim ODD	4L5K0AA
HP ZTurbo 1TB PCIe-Gen 4x4 TLC Z2 SSDKit	201F5AA
HP ZTurbo 512GB PCIe-Gen 4x4 SED Z2 SSDKit	201F9AA
HP ZTurbo 512GB PCIe-Gen 4x4 TLC Z2 SSDKit	201G0AA
Z Turbo 1TB PCIe-4x4 TLC SSD Module	38T77AA
Z Turbo 2TB 2280 PCIe-4x4 SED OPAL2 TLC M.2 SSD Module	38T79AA
Z Turbo 2TB PCIe-4x4 TLC SSD Module	38T75AA
Z Turbo 4TB 2280 PCIe-4x4 SED OPAL2 TLC M.2 Z2 Kit SSD	55498AA
Z Turbo 4TB 2280 PCIe-4x4 TLC M.2 SSD Module	55496AA
Z Turbo 4TB 2280 PCIe-4x4 TLC M.2 Z2 Kit SSD	55492AA

## Internal ports/Modules/Controllers

NVIDIA Mellanox ConnectX-6 DX Dual Port 10/25GbE SFP28 NIC	436M8AA ★
Allied Telesis AT-2911T/2-901 Dual Port 1GbE NIC	6E3Y9AA
HP 10GbE SFP+ SR/SW LC Fiber Optic Transceiver	860T8AA
HP 1GbE LAN Flex Port 2020	141J6AA
HP 25GbE SFP28 LC Fiber Optic Transceiver	860T9AA
HP DP Flex Port 2020 141J7AA	141J7AA
HP Flex 1GbE Fiber LC Single Port 20J15AA	20J15AA
HP HDMI Flex Port	69D47AA
HP Parallel PCIe x1 Card	N1M40AA
HP USB-C 3.2 Gen2 Alt Flex Port 2020	141K6AA
HP Z2 2nd serial port adapter 141K8AA	141K8AA
HP Z2 G9 Single Type-C SuperSpeed USB 20Gbps Front Port	4M9X8AA
HP Z2 Internal Serial Port and PS/2 Port 141K9AA	141K9AA
Intel Ethernet I350-T4 4-Port 1Gb NIC	W8X25AA
Intel I225V Single Port 2.5GbE PCIe NIC	406L9AA
Intel X550 10GBASE-T Dual Port NIC	1QL46AA

## Graphics

AMD Radeon Pro W7500 8 GB 4DP Graphics	8D6C2AA
AMD Radeon Pro W7600 8 GB 4DP Graphics	8D6B9AA

AMD Radeon Pro W7900 48 GB 3DP+1mDP Graphics	8F699AA	
AMD Radeon RX 6400 4 GB DH DP+HDMI Graphics	6Q3U4AA	
NVIDIA RTX 2000 Ada 16 GB 4mDP Graphics	8D6B8AA	
NVIDIA RTX 4000 Ada 20 GB 4DP Graphics	8D6B7AA	
NVIDIA RTX 4500 Ada 24 GB 4DP Graphics	8D6C1AA	
NVIDIA RTX A1000 8 GB with Mini Bracket 4mDP Graphics	AV8J4AA	
NVIDIA RTX A2000 12 GB 4mDP Graphics	5Z7D9AA	
NVIDIA RTX A400 4 GB with Mini Bracket 4mDP Graphics	AV8J3AA	
NVIDIA RTX A4000 16 GB 4DP Graphics	20X24AA	
NVIDIA RTX A4000E 16 GB 4DP Graphics	6H7J7AA	obsolete
NVIDIA T1000 4 GB 4mDP w/2 mDP-to-DP Adapters Graphics	20X22AA	obsolete
NVIDIA T1000 8 GB 4mDP Graphics	5Z7D8AA	obsolete
NVIDIA T1000E 8 GB 4mDP Graphics	6V9V4AA	
NVIDIA T400 4 GB 3mDP Graphics	5Z7E0AA	obsolete
NVIDIA T400E 4 GB 4mDP Graphics	A4HP3AA	

## Memory

HP 16GB DDR5 (1x16GB) 4800 UDIMM ECC Memory	4M9Y1AA	
HP 16GB DDR5 (1x16GB) 4800 UDIMM NECC Memory	4M9Y0AA	
HP 32GB DDR5 (1x32GB) 4800 UDIMM ECC Memory	4M9Y3AA	
HP 32GB DDR5 (1x32GB) 4800 UDIMM NECC Memory	4M9Y2AA	
HP 48GB DDR5 (1x48GB) 5600 UDIMM NECC Memory	8F070AA	
HP 8GB DDR5 (1x8GB) 4800 UDIMM NECC Memory	4M9X9AA	

## Chassis/Rails

HP 2.5in HDD/SSD 2-in-1 Optical Bay Bracket	K4T74AA	
HP CRU QX328 5.25 in Front Removable Frame/Carrier	4N011AA	
HP Optical Bay HDD Mounting Bracket	NQ099AA	
HP Z2 TWR Dual Front Fan Kit	4N007AA	
Z2 Mini/Z2 Tower/Z4/Z6 Depth Adjustable Fixed Rail Rack Kit	2A8Y5AA	

## Power

### Power Others

C13-C14 2.0m 15A 100-127V Countries Straight Rack Power Cord	8R881AA	
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## Keyboards/Other Input Devices

## Wired Keyboards

HP 320K Wired Keyboard	9SR37UT
HP Business Slim Smartcard Keyboard	Z9H48AA

## Wireless Keyboards

HP 455 Programmable USB Wireless Keyboard (Bulk Qty.12)	4R177A6
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## Wireless Combo

HP 655 Wireless Keyboard and Mouse Combo (BlkQty.10)	4R009A6
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## Security

### Security Cables

HP Business PC Security Lock V3 Kit	3XJ17AA
HP Keyed Cable Lock	T1A62AA

### Security Others

HP Integrated Remote System Controller	7K6D9AA
HP Remote System Controller	7K6D7AA
HP Remote System Controller Main Board Adapter	7K6D8AA

## Audio

★ : Recommended

### Speakerphones

Poly Sync 10 USB-A USB-C Speakerphone	<b>772C3AA ★</b>
Poly Sync 10 Speakerphone +USB-A to USB-C Cable	7S4M6AA
Poly Sync 20 USB-C Speakerphone	7F0J7AA
Poly Sync 20+ USB-C Speakerphone	772D0AA
Poly Sync 20+M Speakerphone +USB-A to USB-C Cable +BT700 dongle +Pouch	7Y215AA
Poly Sync 20-M Speakerphone +USB-A to USB-C Cable	7S4M1AA

### Wireless Headset

Poly Voyager Focus 2 USB-C-C Headset +USB-C/A Adapter	<b>9T9J3AA ★</b>	
Poly Voyager 4320 USB-C Headset +BT700 dongle	<b>76U50AA ★</b>	
Poly Savi 7210 Office DECT 1920-1930 MHz Single Ear Headset	7W6D4AA	
Poly Savi 7220 Office Binaural DECT 1920-1930 MHz Headset	7W6D5AA	
Poly Savi 7310 Office Monaural DECT 1920-1930 MHz Headset	7S430AA	
Poly Savi 7310-M Office DECT 1920-1930 MHz Single Ear Headset	7S439AA	
Poly Savi 7320 Office Stereo DECT 1920-1930 MHz Headset	7S429AA	
Poly Savi 7320-M Office Stereo DECT 1920-1930 MHz Headset	7S435AA	
Poly Savi 8210 Office DECT 1920-1930 MHz Single Ear Headset	7S445AA	
Poly Savi 8210-M Office DECT 1920-1930 MHz Single Ear Headset TAA	7S447AA	
Poly Savi 8220 Office Stereo DECT 1920-1930 MHz Headset TAA	7S4B5AA	
Poly Savi 8220-M Office Stereo DECT 1920-1930 MHz Headset TAA	7S4B6AA	
Poly Savi 8245 DECT 1920-1930 MHz Headset +USB-A to USB-C Cable +D400 TAA	7W6B6AA	
Poly Voyager 4245-M Office Headset +USB-A to Micro USB Cable	7S3Y5AA	obsolete
Poly Voyager 4310 Microsoft Teams Certified USB-A Headset +BT700 dongle	77Y91AA	
Poly Voyager 4310 Microsoft Teams Certified USB-C Headset +BT700 dongle	77Y95AA	
Poly Voyager 4310 USB-A Headset +BT700 dongle	76U48AA	
Poly Voyager 4310 USB-C Headset +BT700 dongle	77Y94AA	
Poly Voyager 4310 USB-C Headset +BT700 dongle +Charging Stand	77Y96AA	
Poly Voyager 4310-M Microsoft Teams Certified USB-C Headset +BT700 dongle +Charging Stand	77Y97AA	
Poly Voyager 4310-M UC Headset +USB-A to USB-C Cable +BT700 dongle	7Y210AA	



Poly Voyager 4320 Microsoft Teams Certified USB-A Headset +BT700 dongle	77Y98AA	
Poly Voyager 4320 Microsoft Teams Certified USB-C Headset +BT700 dongle	77Z30AA	
Poly Voyager 4320 USB-A Headset +BT700 dongle	76U49AA	
Poly Voyager 4320 USB-C Headset +BT700 dongle +Charging Stand	77Z31AA	
Poly Voyager 4320-M +USB-A to USB-C Cable +BT700 dongle	7Y211AA	
Poly Voyager 4320-M Microsoft Teams Certified Headset +BT700 dongle +Charging Stand	77Z32AA	
Poly Voyager 5200 Headset +USB-A to Micro USB Cable	7S431AA	obsolete
Poly Voyager 5200 Office Headset +USB-C to Micro USB Cable TAA	7S3Y1AA	
Poly Voyager 5200 UC USB-A Headset +BT600 Dongle TAA	7K2E1AA	
Poly Voyager 5200 USB-A Bluetooth Headset +BT700 dongle	7K2F3AA	
Poly Voyager 5200-M Office Headset +USB-A to Micro USB Cable TAA	7W6D3AA	
Poly Voyager 5200-M Office Headset +USB-C to Micro USB Cable TAA	7S3Y4AA	
Poly Voyager Legend +Integrated Charge Cable	7W6C7AA	
Poly Voyager Legend Headset +Integrated Charge Cable +Pin Adapter	7W6B8AA	
Poly Voyager Legend Headset +USB-A to Micro USB Cable +Charging Stand with no Wall Plug	7W6B7AA	
Poly Voyager Surround 80 UC Microsoft Teams Certified USB-C Headset +USB-C/A Adapter	8G7U0AA	
Poly Voyager Surround 80 UC Microsoft Teams Certified USB-C Headset +USB-C/A Adapter	8H2G3AA	
Poly Voyager Surround 80 UC USB-C Headset +USB-C/A Adapter	8G7T9AA	
Poly Voyager Surround 85 UC Microsoft Teams Certified USB-C Headset +USB-C/A Adapter +Charging Stand	8G7T8AA	
Poly Voyager Surround 85 UC USB-C Headset +USB-C/A Adapter +Charging Stand	8G7T7AA	

## 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 ★
Poly Blackwire 5220 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter	93S88AA ★
Poly Blackwire 3210 Monaural USB-A Headset	80S01AA
Poly Blackwire 3210 Monaural USB-A Headset (Bulk)	80S01A6
Poly Blackwire 3210 Monaural USB-C Black Headset +USB-C/A Adapter (Bulk)	8X2J8A6
Poly Blackwire 3210 Monaural USB-C Headset	80S09AA
Poly Blackwire 3210 Monaural USB-C Headset (Bulk)	80S09A6
Poly Blackwire 3210 Monaural USB-C Headset +USB-C/A Adapter	8X214AA
Poly Blackwire 3210 Monaural USB-C Headset +USB-C/A Adapter (Bulk)	8X214A6

Poly Blackwire 3215 Monaural USB-A Headset (Bulk)	80S06A6
Poly Blackwire 3215 Monaural USB-C Headset +3.5mm Plug +USB-C/A Adapter	8X227AA
Poly Blackwire 3215 Monaural USB-C Headset +3.5mm Plug +USB-C/A Adapter (Bulk)	8X227A6
Poly Blackwire 3220 Stereo USB-A Headset	80S02AA
Poly Blackwire 3220 Stereo USB-A Headset (Bulk)	80S02A6
Poly Blackwire 3220 Stereo USB-C Black Headset +USB-C/A Adapter (Bulk)	8X2J9A6
Poly Blackwire 3220 Stereo USB-C Headset +USB-C/A Adapter	8X228AA
Poly Blackwire 3220 Stereo USB-C Headset +USB-C/A Adapter	93S87AA
Poly Blackwire 3220 Stereo USB-C Headset +USB-C/A Adapter (Bulk)	8X228A6
Poly Blackwire 3225 Stereo USB-A Headset (Bulk)	80S11A6
Poly Blackwire 3225 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter	8X229AA
Poly Blackwire 3225 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter (Bulk)	8X229A6
Poly Blackwire 3310 Monaural Microsoft Teams Certified USB-C Headset +USB-C/A Adapter	8X216AA
Poly Blackwire 3310 Monaural USB-C Headset +USB-C/A Adapter	8X215AA
Poly Blackwire 3315 Monaural Microsoft Teams Certified USB-C Headset +3.5mm Plug +USB-C/A Adapter	8X218AA
Poly Blackwire 3315 Monaural USB-C Headset +3.5mm Plug +USB-C/A Adapter	8X217AA
Poly Blackwire 3320 Stereo Microsoft Teams Certified USB-C Headset +USB-C/A Adapter	8X220AA
Poly Blackwire 3320 Stereo USB-C Headset +USB-C/A Adapter	8X219AA
Poly Blackwire 3325 Stereo Microsoft Teams Certified USB-C Headset +3.5mm Plug +USB-C/A Adapter	8X222AA
Poly Blackwire 3325 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter	8X221AA
Poly Blackwire 5210 Monaural USB-A Headset	80R98AA
Poly Blackwire 5210 Monaural USB-C Headset +3.5mm Plug +USB-C/A Adapter	8X230AA
Poly Blackwire 5210 Monaural USB-C Headset +3.5mm Plug +USB-C/A Adapter (Bulk)	8X230A6
Poly Blackwire 5220 Stereo USB-A Headset	80R97AA
Poly Blackwire 5220 Stereo USB-A Headset (Bulk)	80R97A6
Poly Blackwire 5220 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter (Bulk)	8X231A6
Poly Blackwire 8225 Stereo Microsoft Teams Certified USB-C Headset +USB-C/A Adapter	8X225AA
Poly Blackwire C3210 USB-A Black Headset (Bulk)	77R24A6
Poly Blackwire C3215 Monaural Headset +Carry Case	80S05AA
Poly Blackwire C3220 Stereo USB-C Headset	80S07AA

Poly Blackwire C3220 USB-A Black Headset (Bulk)	77R32A6
Poly Blackwire C3220 USB-C Headset (Bulk)	80S07A6
Poly Blackwire C3225 Stereo USB-C Headset	80S04AA
Poly Blackwire C3225 Stereo USB-C Headset (Bulk)	80S04A6
Poly Blackwire C3225 Top	7S4M7AA
Poly Blackwire C5210 USB-C Headset +Inline Cable (Bulk)	805H4A6
Poly Blackwire C5220 USB-C Headset +Inline Cable	805H3AA
Poly Blackwire C5220 USB-C Headset +Inline Cable (Bulk)	805H3A6
Poly EncorePro 310 Monaural USB-A Headset TAA	767G1AA
Poly EncorePro 320 Stereo USB-A Headset TAA	767G0AA
Poly EncorePro 320 Stereo USB-C Headset TAA	767F9AA
Poly EncorePro HW710 Single Ear Headset +Carry Case +Quick Disconnect TAA	805H7AA
Poly EncorePro HW720 Binaural Headset +Carry Case TAA	805H6AA
Poly H251 Supraplus Speakerphone +Pouch TAA	7S442AA
Poly H251N Supraplus Monaural Headset +Pouch TAA	7S443AA
Poly H261N Supraplus Binaural Headset +Pouch TAA	7S444AA
Poly HW261N Supraplus Binaural Dual Headset +Pouch TAA	7W074AA

## Video

### Video Accessories

Poly G7500 IP Table Microphone	874R3AA
Poly IP Ceiling Microphone Array	875S1AA
Poly Studio X50/X52/X70/USB Table Microphone	875M6AA
Poly Studio X50/X70/USB Expansion Microphone	875M8AA

## Voice

### Conference Phone Accessories

Poly Trio 8300/8800 Expansion Microphones	85X00AA
Poly Trio C60 Expansion Microphones	85X02AA

## Monitors

### HP Home Monitors

★ : Recommended

#### HP Value Displays

HP 27mq 27-inch Display

1F2J9AA

### Business Monitors

#### E-Series

HP E27 G5 FHD Monitor

6N4E2AL

#### Series 3 Pro

HP Series 3 Pro 21.45 inch FHD Monitor - 322pv

9U5A2A6

HP Series 3 Pro 21.5 inch FHD Monitor - 322ph

B0BN7UT

HP Series 3 Pro 23.8 inch FHD Monitor - 324pf

9U5J5AF

HP Series 3 Pro 23.8 inch FHD Monitor - 324pv

9U5C1A6

HP Series 3 Pro 23.8 inch FHD Monitor - 324pb

B22BDAA

HP Series 3 Pro 23.8 inch FHD Monitor - 324pe

B1GM5AA

HP Series 3 Pro 23.8 inch FHD Monitor - 324ph

B0BU9UT

HP Series 3 Pro 27 inch FHD Monitor - 327pe

B1GM6AA

HP Series 3 Pro 27 inch FHD Monitor - 327pf

B0CG3UT

HP Series 3 Pro 27 inch FHD Monitor - 327ph

B0CG8UT

#### Series 5 Pro

HP Series 5 23.8 inch FHD Monitor - 524da

B11W5AT

HP Series 5 27 inch FHD Monitor - 527da

B11W6AT

HP Series 5 Pro 23.8 inch FHD Monitor - 524pf

9D9L6AL

HP Series 5 Pro 23.8 inch FHD Monitor (Made in VN) - 524pf

B46LQAA

HP Series 5 Pro 23.8 inch FHD No Stand Monitor - 524pf

9D9L6A9

HP Series 5 Pro 23.8 inch FHD No Stand Monitor - 524pf

9D9L6U9

HP Series 5 Pro 23.8 inch FHD USB-C Conferencing Monitor - 524pm

9E0G9UT

HP Series 5 Pro 24 inch WUXGA Monitor (Made in VN) - 524pn

B41HLAA

HP Series 5 Pro 27 inch QHD Monitor (Made in VN) - 527pq

B3PB7AA

HP Series 5 Pro 27 inch QHD No Stand Monitor - 527pq

9D9S0A9

HP Series 5 Pro 27 inch QHD No Stand Monitor - 527pq

9D9S0U9

HP Series 5 Pro 27 inch QHD USB-C Conferencing Monitor - 527pm

9E0Y9UT

HP Series 5 Pro 34 inch WQHD USB-C Conferencing Monitor - 534pm

9E0Z2UT

## OMEN by HP Monitors

OMEN 27 inch QHD 165Hz Gaming Monitor - OMEN 27qz

AK2B3AA

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