



HP Sales Central

HP Z8 G4 Workstation (1S548PA)

Discontinued as of 30-09-2021



Overview

HP's most powerful desktop workstation ²

Top-of-the-line power to fuel those who reimagine our world. When you need a workstation with the capability to run complex simulations, handle advanced Machine Learning algorithms and process huge amounts of data, the HP Z8 doesn't disappoint.

Extreme power

Run 3D simulations and edit 8K video in real time with up to 56 processing cores and up to 1.5 TB high-speed memory. Certified for serious software, such as ANSYS or After Effects, you can ideate and iterate more to deliver better work in less time.

HP's most secure workstations

Advanced security features come standard on every Z8. Rest assured your device, identity and data are safe with security software like HP Client Security Suite Gen3 ³ and HP Sure Start Gen3 ⁸, the industry's first self-healing BIOS with intrusion detection.

Industry-leading design and acoustics

From the inside out, the Z8 is an engineering wonder. The modern exterior provides tool-free access to a clean, modular interior. Strategically placed vents and ducts throughout the system streamline airflow for ultra-quiet performance.

Specifications

Operating system

Windows 10 Pro 64

Processor family

Intel® Xeon® Gold processor

Processor

Intel® Xeon® Gold 5222 (3.8 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 16.5 MB cache, 4 cores)^{6,7 1}

Number of processors

1

Chipset

Intel® C622

Sustainable impact specifications

Low halogen

Security management

HP Sure Start Gen3; Secure authentication; Kensington lock slot; Full volume encryption; HP Keyed Cable Lock Kit; TPM 2.0 certified; HP Secure Erase

Memory

64 GB DDR4-2933 MHz RAM (2 x 32 GB)

Memory layout (slots & size)

2 x 32 GB

Memory Slots

24 DIMM with 2 processors

Internal drive bays

One 3.5"

External drive bays

One slim ODD

Internal Storage

512 GB HP Z Turbo Drive PCIe® SSD

Hard drive (2nd)

2 TB 7200 rpm SATA HDD

Storage controller

Integrated SATA 6.0 Gb/s

Optical drive

HP Slim DVD-Writer

Compatible displays

All HP Z Displays and HP DreamColor Displays are supported.

Graphics (integrated)

NVIDIA® GeForce® RTX 2080Ti (11 GB GDDR6 dedicated)

I/O Port location

Front

Ports

1 headset connector; 4 USB 3.1 (1 charging)

(Premium front includes: 1 headset, 2 USB 3.1 Gen1 (1 charging), 2 USB 3.1 Gen 2 Type-C™)

3

I/O Port location

Rear

Ports

6 USB 3.1 Gen 1; 2 RJ-45 (1 GbE); 1 audio-in; 1 audio-out; 1 PS/2 mouse port; 1 PS/2 keyboard port; 1 serial

Expansion slots

2 PCIe x4; 3 PCIe x8; 4 PCIe x16

Network interface type

LAN

Network interface

Integrated Intel® I219-LM PCIe® GbE

Power

1450 W internal power supply, up to 90% efficiency, active PFC

Minimum dimensions (W x D x H)

21.59 x 55.12 x 44.45 cm

Weight

Starting at 22.4 kg

UPC number

194850406423

Software

HP Remote Graphics Software (RGS)

Software included

HP Performance Advisor; HP Remote Graphics Software (RGS)

Keyboard

HP USB Slim Business Keyboard

Manufacturer Warranty

3 year (3-3-3) limited warranty and service offering includes 3 years of parts, labor and on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

Overview

- 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 10 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>
- 2 Based on desktop workstations as of June 14, 2017 and power based on processor, graphics, memory, and power supply.
- 3 HP Client Security Suite Gen3 requires Windows and Intel® or AMD 7th Gen processors.
- 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.
- 6 Sold separately or as an optional feature.
- 7 Available in the first half of 2018.

Specifications

- 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.

Assets

Brochure (16)

Are You Ready for VR?

Get VR Ready with the world's most comprehensive virtual reality portfolio from HP. This comprehensive brochure outlines HP's VR strategy and delivers platform recommendations for HMDs, the VR backpack, mobiles, and desktop configurations.

How Z by HP Data Science Stack Manager helps data scientists and IT alike

One-page pdf providing overview of Z by HP Data Science Stack Manager which offers fast, convenient access to software and open-source tools for data science.

HP VR - Helping you adapt

Virtual reality is a powerful tool that can help you collaborate, create and learn. HP VR hardware specifications and recommended tools from industry-leading ISV partners.

HP VR Family Brochure

Get VR Ready with the world's most comprehensive virtual reality portfolio from HP. This comprehensive brochure outlines HP's VR strategy and delivers platform recommendations for HMDs, the VR backpack, mobiles, and desktop configurations.

Powerful Z Workstations Brochure (Meet Fast Analytics Platform)

Powerful Z Workstations Meet Fast Analytics Platform Brochure

Powering a New Era of Collaboration and Simulation

Brochure describing the details and benefits of the Z by HP exclusive trial offer of Teradici CAS and NVIDIA Omniverse Enterprise

Workstations for Creative Professionals in Media and Entertainment

A brochure featuring creative compute power for users in the media and entertainment industry.

Z by HP and Adobe

HP offers an expansive portfolio of integrated workstation hardware and software solutions designed to maximize the creative capabilities of Adobe software. Together, Z and Adobe help you create stunning digital media.

Z by HP and Autodesk

Brochure about Z by HP and Autodesk. Accelerate Autodesk workflows with certified HP Z Workstations that help you deliver your BIM, Digital Prototyping, and 3D CAD projects in less time.

Z by HP and SolidWorks

Accelerate SolidWorks workflows with certified Z by HP workstations - designed to handle large and complex datasets, dispersed teams and tight deadlines - helping you deliver your 2D and 3D CAD projects in less time.

Z by HP Data Science Brochure

Z by HP Data Science one-pager listing out our partnership with NVIDIA, how we create our Data Science Solution, and configurations for the Z4, Z8 & ZBook 17. Utilize this for customer visits and initiating conversations about data science opportunities.

Z by HP Data Science Evaluation Story with Customer A

Partner and Channel

Customer story of a defense contractor (specializing in Aeronautics, Mission Systems, and Space) evaluating a Z8 highly configured for data science, ML & AI workflows.

Z by HP Data Science Evaluation Story with Customer B

Partner and Channel

Customer story of a defense contractor (specializing in Civil Government and Cybersecurity Solutions) evaluating a Z8 highly configured for data science, ML & AI workflows.

Z by HP Portfolio Brochure

Z by HP Brochure - Discover the latest generation of professional Z by HP products

Z by HP Reliability Brochure

This document is intended to showcase our Z reliability benefits.

Z by HP ZCentral One-Pager Brochure

Z by HP ZCentral one-pager describes what the ZCentral solution is. Utilize this for customer visits and initiating conversations about ZCentral opportunities.

Certification (6)

India BIS Registration Workstation Z8-G4 FCLSA -1703B Foxconn

Workstation Z8-G4

India BIS Registration Workstation Z8-G4 FCLSA -1703B Q-Edge

Workstation Z8-G4

India BIS Registration Workstation Z8-G4 FCLSA-1703A Foxconn

Workstation Z8-G4

India BIS Registration Workstation Z8-G4 FCLSA-1703A Hongfujin

Workstation Z8-G4

India BIS Registration Workstation Z8-G4 FCLSA-1703A Q-Edge

Workstation Z8-G4

India BIS Registration Workstation Z8-G4 FCLSA-1703B

Workstation Z8-G4

Competitive information (1)

Lenovo P620 vs. Z Performance Desktops

Partner and Channel

This document provides resources and competitive analysis on the Lenovo P620 and the Z High Performance Desktops

Customer presentation (12)

Business of Selling Z Desktops

Partner and Channel

Not all remote work is mobile, some users need to use a desktop workstation rather than a mobile workstation. This deck will highlight the reasons why, the key differentiators, the benefits of using, and recommending a desktop workstation to your customers.

HP End User Personas Customer Presentation - June 2022

Partner and Channel

An HP customer presentation for HP and channel partners, providing a starting point to introduce ideas, ask questions, and listen to customers. June 2022

HP Engage + Z OEM Customer Presentation

Partner and Channel

This presentation provides an overview of HP Engage and Z solutions for OEM applications.

HP Performance Desktop Workstations Customer Deck (Z4 G4, Z6 G4, Z8 G4)

Partner and Channel

Overview of the HP Z G4 Desktop Workstations featuring the HP Z4 G4, Z6, G4, Z8 G4. Covers positioning and specifications

HP Z Sustainability Presentation

Partner and Channel

This customer deck goes through the overall HP goal of focusing on sustainability before diving into how Z designs with sustainability in mind.

HP Z Workstation OEM Program Customer Presentation (short version)

Partner and Channel

This short presentation covers the HP Original Equipment Manufacturers program available to HP Z Workstation Customers. It discusses the benefits and services included, and the unique advantages it provides. Recommended to use this when promoting OEM but not having a large amount of time allotted to present.

OEM Extended Life Program & Life Cycle Extension Presentation

Partner and Channel

This presentation covers the OEM ELP and LCE programs for Z workstations. Contracted OEM partners can extend the lifecycle of selected platforms to maximize their business solutions.

Reinvent Your 3D Workflows: Z by HP + NVIDIA Omniverse + Teradici CAS Trial Offer CDA

Partner and Channel

Customer CDA presentation for the Z by HP + NVIDIA Omniverse Enterprise + Teradici CAS exclusive trial offer.

Z by HP Data Science Workstation Customer Presentation

Partner and Channel

This sales deck provides an overview of our Z by HP Data Science workstation. Use this deck to understand what data science is, why GPU-acceleration is important, our configurations, partners and how customers can apply for our data science pilot program and receive a custom quote.

Z1 Entry Tower G8 Customer Presentation

Partner and Channel

Overview of Z1 Entry Tower G8 Desktop workstation. HP sales and partner use only under CDA.

Z2 G5 Customer Presentation

Partner and Channel

Overview of Z2 G5 desktop workstation. HP sales and partner use only under CDA.

Z2 G8 Customer Deck

Partner and Channel

Overview of Z2 G5 desktop workstation. HP sales and partner use only under CDA.

Data sheet (1)

HP Z8 G4 Workstation

HP Z8 G4 Workstation Data sheet

FAQ/Q&A (3)

Intel Optane for Z6 and Z8 Workstations FAQ

Partner and Channel

This document answers frequently asked questions regarding Intel Optane DC Persistent Memory in the Z6 & Z8 form factors.

Z by HP for Data Science FAQ

Partner and Channel

High-level overview of Data Science, who Data Scientists are, and the partnerships and configurations that Z by HP has currently.

Z BY HP UBUNTU 20.04

This document is intended to answer all potential questions about Ubuntu 20.04 compatability and availability with Z products.

Marketing material (2)

Architecture Firm Builds Stronger Foundations with Real-Time Rendering

Kengo Kuma and Associates uses Quadro RTX-powered HP Z8 Workstations to produce realistic CG images of architectural designs.

Z by HP Playbook for Microsoft WSL 2

Partner and Channel

Training playbook to help sales teams understand the Z by HP offering of Microsoft's Windows Subsystem for Linux 2 (WSL 2).

Multimedia - Web Page (11)

HP Z G4 Workstation - Microsoft eDM - Z8

Forests Microsoft eDM: HP Z Workstation

HP Z G4 Workstation - Performance 1200x627 Banner OPEX - Z8

Forests Performance 1200x627: HP Z8 G4 Workstation

HP Z G4 Workstation - Performance 160x600 banner OPEX - Z8

Forests Performance 160x600: HP Z8 Workstation

HP Z G4 Workstation - Performance 300x250 Banner OPEX - Z8

Forests Performance 300x250: HP Z8 G4 Workstation

HP Z G4 Workstation - Performance 300x600 Banner OPEX - Z8

Forests Performance 300x600: HP Z8 G4 Workstation

HP Z G4 Workstation - Performance 728x90 Banner OPEX - Z8

Forests Performance 728x90: HP Z8 G4 Workstation

HP Z G4 Workstation - Security 1200x627 Banner OPEX - Z8

Forests Security 1200x627: HP Z8 G4 Workstation

HP Z G4 Workstation - Security 160x600 Banner OPEX - Z8

Forests Security 160x600: HP Z8 G4 Workstation

HP Z G4 Workstation - Security 300x250 Banner OPEX - Z8

Forests 300x250 Security: HP Z8 G4 Workstation

HP Z G4 Workstation - Security 300x600 Banner OPEX - Z8

Forests Security 300x600: HP Z8 G4 Workstation

HP Z G4 Workstation - Security 728x90 Banner OPEX - Z8

Forests Security 728x90: HP Z8 G4 Workstation

Play book (1)

Z by HP OEM Program Sales Playbook

Partner and Channel

This training playbook is your go-to location for all things OEM for salespeople. Learn to look for business, approach OEM customers, and how to pitch elements of the HP OEM Program.

Quick specs (1)

HP Z8 G4 Workstation

Research or buy HP printers, desktops, laptops, and more at the Official HP Inc. Website.

Reference guide (1)

Z By Hp Family Quick Reference Guide

Seven-page document with comparative technical specifications for the HP Z Workstations and HP ZBook Mobile Workstations.

Sales guide (3)

High Performance Desktop Workstation Objections

Partner and Channel

This presentation is to help sales answer objections from customers regarding our high end desktop workstations (Z4, Z6, & Z8). It also includes links to additional resources to help sales including datasheets, quickspecs, and upsell guides.

HP NVIDIA Omniverse Sales Training

Partner and Channel

NVIDIA Omniverse Enterprise - Sales Guidance

Z by HP Discrete Graphics Quick Reference Guide

Tabloid spread document that highlights all of the available NVIDIA and AMD graphics cards for the HP Z Workstations.

Success story (18)

CyArk discovers extreme power in HP Z8 for digital archiving

In a comparison study, nonprofit organization CyArk found the HP Z8 Workstation's compute power and performance far outperformed its own heavy-duty machine

Universidad Andrés Bello, Chile

Improving IT service response time and customer satisfaction with HP Device as a Service (DaaS)

Z by HP Ambassador Program: Andrada Olteanu

Andrada Olteanu: HP Z Global Ambassador finding a passion for transforming data into actionable insights with HP Z8 and HP ZBook

Z by HP Ambassador Program: Firat Gonen

Firat Gonen: HP Z Global Ambassador uses Z by HP to accelerate the power and performance of data science, processing code more than 95 percent faster than standard computing equipment

Z by HP Ambassador Program: Heng CherKeng

Heng CherKeng: HP Z Global Ambassador uses Z by HP to transform data science performance, reducing processing time by more

than 50% across multiple projects

Z by HP Ambassador Program: Louise Ferbach

Louise Ferbach: HP Z Global Ambassador uses Z by HP for faster time to meaningful and actionable insight, regardless of data format.

Z by HP Ambassador Program: Paras Varshney

Paras Varshney: HP Z Global Ambassador uses Z by HP for unprecedented levels of achievement and problem-solving in data science.

Z by HP Ambassador Program: Qishen Ha

Qishen Ha: HP Z Global Ambassador uses Z by HP to build a LAN, maximize power, and increase productivity by up to 15%.

Z by HP Ambassador Program: Ruchi Bhatia

Ruchi Bhatia: HP Z Global Ambassador uses Z by HP data analysis in her efforts to help solve the world's biggest problems and build a better future for everyone.

Z by HP Ambassador Program: Takumi Okoshi

Takumi Okoshi: HP Z Global Ambassador uses Z by HP to fast-track validation of high-quality solutions for competition and work.

Z by HP Ambassador Program: Tao Shen

Tao Shen: HP Z Global Ambassador uses Z by HP to help solve the world's healthcare challenges, from COVID vaccines to brain hemorrhages, one data set at a time.

Z by HP Ambassador Program: Tucker Arrants

Tucker Arrants: HP Z Global Ambassador uses "fantastic" Z by HP to code every day and dive deeper into data science.

Z by HP Case Study: NASA

Customer-facing case study about how NASA uses Z by HP data science workstations for their workflow

Z by HP Case Study: NASA Goddard

This case study, developed with the support of ESG, describes how researchers at NASA Goddard have been using HP data science solution to conduct their research.

Z by HP Case Study: Red Rocks Community College

This case study, developed with the support of ESG, describes how Red Rocks Community College IT and instructors are equipping their students with HP data science solutions to support their research.

Z by HP Data Science Success Story: Soul Machines

Soul Machines, developer of the Human OS™ platform, uses high-performance, memory, and virtualization capabilities of the HP Z8 Workstation to advance brand experiences.

Z by HP Success Story: ISP

English translation of HP case study (original in Japanese language) that describes how ISP uses artificial intelligence to help other companies, accelerating AI system development with the HP Z8 G4 Workstation.

Z by HP ZCentral Success Story: Capgemini

HP Z workstations--ZBook, Z2, Z4, Z6, Z8--help Capgemini efficiently maximize software performance for each user, support seamless remote usage, and centralize the workstation environment.

Technical white paper (11)

An Hp Position Paper On Memory

The purpose of this document is to help HP workstation customers decide whether to populate their HP products with HP memory or with 3rd party memory. 3rd party memory is often less expensive than HP memory. Should customers pay extra for HP memory and if so what are the benefits? It is HP's desire that our customers understand some facts of memory technology and make the most informed decision possible based on their business needs.

Find the best Z device for ANSYS application workflow

There are several applications for ANSYS and these recommendations provide detail configuration recommendation for specific work flows / personas.

HP ZCentral NAS Workstation Solution

This paper is meant to outline how Z Desktop Workstations can be, and are in many cases well suited to be, Network Attached Storage (NAS) devices.

Installing Windows 7 on HP Z4 G4, HP Z6 G4, and HP Z8 G4 Workstations with Intel® Skylake Processors

This whitepaper provides guidance with understanding how to install Windows 7 on HP performance workstations with Intel® Skylake processors.

INTEL® OPTANE™ DC PERSISTENT MEMORY

Using 3D XPoint non-volatile memory, Intel®'s Optane™ DCPMM (Data Center Persistent Memory Module1)* is the first NVDIMM offering performance and lifecycle characteristics for storage class memory and in some cases DRAM replacement. This paper discusses the different modes of operation and how to properly configure in a Z Workstation.

Intel® virtual raidon CPU (vroc)

The purpose of this whitepaper is to explain Virtual RAID on CPU (VROC), it's prerequisites, enablement options, and configuration.

Linux Hardware Matrix for HP Workstations

The HP Workstation Linux Hardware Matrix provides per-platform advisory information about the functionality of HP Workstation desktops, mobile workstations and the hardware components applicable to them, under several enterprise Linux distributions such as Red Hat Enterprise Linux(RHEL), SUSE Linux Enterprise Desktop(SLED), and Ubuntu LTS.

MIL-STD-810 Testing for HP Business PCs: August 2022 update

August 2022 update version of the whitepaper; most HP Business Notebook & Desktop PCs, Z/Workstations and Retail Systems undergo MIL-STD-810 test procedures as a way to demonstrate product quality & reliability. Conditions/specs outlined in the MIL-STD-810 test methods are not covered under the HP Limited Warranty.

Rack Mounting and the HP Workstation

Whether it is an IT technician servicing a single rack, or a team of professionals managing multiple data centers - with HP Rack Mounting Solutions, everyday tasks are made easy. HP rack mounting kits are engineered with the same customer-centric design philosophies that have made the Workstation product line a continuing success.

Understanding Multi-Frame Rendering in Adobe After Effects and Choosing the Right Z Platform

You've been pushing through projects on an underperforming computer, hiding and/or soloing layers, reducing the complexity of effects and/or turning effects off entirely, just so you can have responsive interactivity while previewing your adjustments. You finally get your project looking the way you want it and kick off the export.

Z by HP installation guide for Microsoft Windows Subsystem for Linux (WSL 2)

Technical white paper that provides instructions for existing Z workstation users who wish to install Microsoft WSL 2.


Training materials (1)

Intel AI Kit Playbook

Partner and Channel


Playbook for the Intel® AI Analytics Toolkit (AI Kit), powered by one API. Discover how the AI Kit can optimize data science workflows on select Z by HP workstations

Images - Product (12)




Center facing

54x 41 (jpg) 54x 41 (png)
 96x 72 (jpg) 96x 72 (png)
 99x 74 (png) 153x 115 (png)
 180x 135 (png) 240x 180 (jpg)
 240x 180 (png) 247x 185 (png)
 257x 193 (png) 320x 240 (jpg)
 320x 240 (png) 474x 356 (png)
 513x 385 (png) 573x 430 (png)
 1659x 1246 (png) 1849x 3892 (png)




Center facing

100x 70 (jpg) 170x 190 (jpg)
 400x 400 (jpg) 400x 400 (png)
 800x 600 (png) 1500x 3845 (jpg)
 1944x 4058 (jpg)




Left facing

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Left facing

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Right facing

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Right facing

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Right facing

[100x 70 \(jpg\)](#) [170x 190 \(jpg\)](#)
[400x 400 \(jpg\)](#) [400x 400 \(png\)](#)
[800x 600 \(png\)](#) [1500x 2272 \(jpg\)](#)
[3531x 4313 \(jpg\)](#)



Right facing

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[400x 400 \(jpg\)](#) [400x 400 \(png\)](#)
[800x 600 \(png\)](#) [1500x 2272 \(jpg\)](#)
[3531x 4313 \(jpg\)](#)



Detail view

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[96x 72 \(jpg\)](#) [96x 72 \(png\)](#)
[99x 74 \(png\)](#) [153x 115 \(png\)](#)
[180x 135 \(png\)](#) [240x 180 \(jpg\)](#)
[240x 180 \(png\)](#) [247x 185 \(png\)](#)
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[320x 240 \(png\)](#) [474x 356 \(png\)](#)
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[1659x 1246 \(png\)](#) [6122x 4763 \(png\)](#)



Detail view

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[800x 600 \(png\)](#) [1500x 1326 \(jpg\)](#)
[6122x 4763 \(jpg\)](#)



Rear facing

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[320x 240 \(png\)](#) [474x 356 \(png\)](#)
[513x 385 \(png\)](#) [573x 430 \(png\)](#)
[1659x 1246 \(png\)](#) [3786x 4515 \(png\)](#)



Rear facing

[100x 70 \(jpg\)](#) [170x 190 \(jpg\)](#)
[400x 400 \(jpg\)](#) [400x 400 \(png\)](#)
[800x 600 \(png\)](#) [1500x 2204 \(jpg\)](#)
[3921x 4636 \(jpg\)](#)

Images - Product in use (3)



HP Z8 G4 Desktop Workstation, HP Z27 27-inch 4K UHD Display



HP Z8 G4 Desktop Workstation, HP Z27 27-inch 4K UHD Display



HP Z8 G4 Desktop Workstation, HP Z27 27-inch 4K UHD Display

Videos (15)

Configuration and Deployment Services Video.

Local Motors & HP Workstations

Broncos win with HP Z Workstations (1080p)

Factory Five Racing.

Hillsborough County Public Schools and HP Z Workstations

HP and Bandito Brothers

HP and Rakuno Gakuen University.

HP DreamColor Technology for Media and Entertainment.

HP OSF and Jump Trading: Enabling better patient outcomes - Shorter Version

HP ZCentral Video update showing HP ZCentral 4R 1U Desktop

Morgan Motors Company

Sage Cheshire takes off with SolidWorks HP and NVIDIA

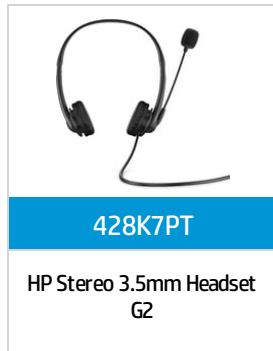
Tech of DreamWorks Rise of the Guardians

Viral Videos powered by HP Z Workstations

Why HP Workstations

Accessories

HP Top Recommended Accessories



Audio/Multimedia and Communication Devices

HP Recommends

Active	Best	HP Stereo 3.5mm Headset G2	428K7PT
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Headsets

Active		HP Stereo 3.5mm Headset G2	428K7PT
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Cables/Cable Kits/Cable Adapters

Audio and Video Cables

Active		HP DisplayPort to DVI-D Adapter	FH973AA
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Cable Adapters

Active		HP Single miniDP-to-DP Adapter Cable	2MY05AA
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Active		HP USB-C to DP Adapter	4SH08AA
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PC Cable Options

Active		HP 2.5-in to 3.5-in HDD Adapter Kit	J5T63AA
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Active		HP 2.5-inch to 3.5-inch HDD Adapter Bulk Kit (30 pack)	J5T63A6
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Port Cables and Cable Adapters

Active		HP Internal USB Port Kit	EM165AA
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Chassis and Chassis Accessories

Brackets/Bezels/Panels

Active		HP 2.5in HDD/SSD 2-in-1 Optical Bay Bracket	K4T74AA
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Active		HP Optical Bay HDD Mounting Bracket	NQ099AA
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Expansion Solution and Controller Cards

Port Adapters

Active		HP USB to Serial Port Adapter	J7B60AA
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RAID Controller Cards

Active		MicroSemi 2100-4i4e SAS RAID Controller	1FV90AA
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Graphics Cards

Graphics Cards

Active	AMD Radeon Pro W5500 8GB 4DP GFX	9GC16AA
Active	AMD Radeon Pro W5700 8GB 5mDP+USBc GFX	9GC15AA
Active	NVIDIA Quadro GV100 32GB Graphics Card	3ME26AA
Active	NVIDIA Quadro RTX 4000 8GB (3)DP+USBc	5JV89AA
Active	NVIDIA Quadro RTX 5000	5JH81AA
Active	NVIDIA RTX A2000 12 GB 4mDP Graphics	5Z7D9AA
Active	NVIDIA RTX A4000 16 GB 4DP Graphics	20X24AA
Active	NVIDIA RTX A4500 20 GB 4DP Graphics	5S458AA
Active	NVIDIA RTX A5000 24 GB 4DP Graphics	20X23AA
Active	NVIDIA RTX A6000 48 GB 4DP Graphics	2S6U3AA
Active	NVIDIA T1000 8 GB 4mDP Graphics	5Z7D8AA

Graphics Connectors/Adapters

Active	HP 6pin to 8pin Power Supply Adapter	N1G35AA
Active	HP NVIDIA GV100 NVLINK Bridge Kit (Pair)	3NZ66AA
Active	HP NVIDIA SLI 2-Slot Graphics Connector	2YY84AA
Active	NVIDIA NVLink 2-Slot Bridge	340L2AA

Keyboards/Mice and Input Devices

Keyboards

Active	HP Wired Desktop 320K Keyboard	9SR37AA
Active	HP Wireless Premium Keyboard	Z9N41AA

Mice

Active	HP Wired Desktop 320M Mouse	9VA80AA
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Memory

DDR4 Memory

Active	16GB (1x16GB) DDR4-2666 ECC Reg RAM	1XD85AA
Active	32GB (1x32GB) DDR4-2666 (1x32GB) ECC Reg RAM	1XD86AA
Active	HP 8GB (1x8GB) DDR4-2666 ECC Reg RAM	1XD84AA
Active	HP 8GB (1x8GB) DDR4-2933 ECC RegRAM	5YZ56AA
Active	HP 16GB (1x16GB) DDR4-2933 ECC RegRAM	5YZ54AA
Active	HP 32GB (1x32GB) DDR4-2933 ECC RegRAM	5YZ55AA
Active	HP 64GB (1x64GB) DDR4-2933 ECC RegRAM	5YZ57AA

DIMM

Active	Intel Optane DCPMM 1 28GB NV-DIMM Module	9NH78AA
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Network Adapters

Adapter Cards

Active	HP 10GBASE-T Dual NIC Module Z6/8 G4	1QL49AA
Active	Intel X710-DA2 10GbE SFP+ DP NIC	1QL47AA

Wireless LAN

Active	Intel 9260 802.11ac PCIe x1 Card	3TK89AA
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PC Accelerators

PC IO Accelerators

Active	HP Thunderbolt 3 PCIe 2-port I/O Card	3UU05AA
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PC Controller/Controller Options

PC Processor Cards

Active	Allied Telesis AT-2911T/2-901 Dual Port 1GbE NIC	6E3Y9AA
Active	Aquantia NBASE-T 5GbE PCIe NIC	1PM63AA
Active	Intel Ethernet I210-T1 GbE NIC	E0X95AA
Active	Intel Ethernet I350-T2 2-Port 1Gb NIC	V4A91AA
Active	Intel Ethernet I350-T4 4-Port 1Gb NIC	W8X25AA
Active	Intel I225V Single Port 2.5GbE PCIe NIC	406L9AA

PC Drives and Storage

Blu-ray Drives

Active	HP 9.5mm Slim BDXL Blu-Ray Writer Drive	K3R65AA
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PC DVD+RW Drives

Active	HP 9.5mm Slim SuperMulti DVD Writer Drive	K3R64AA
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PC DVD-ROM Drives

Active	HP 9.5mm Slim DVD-ROM Optical Drive	K3R63AA
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PC SAS Hard Drives

Active	HP 300GB SAS 15K SFF Hard Drive	L5B74AA
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PC SATA Hard Drives

Active	2TB 7200RPM SATA 3.5in Enterprise	2Z274AA
Active	8TB 7200RPM SATA 3.5in Enterprise	2Z273AA
Active	HP 1TB Enterprise SATA 7200 HDD	W0R10AA
Active	HP 1TB SATA 6Gb/s 7200 Hard Drive	LQ037AA
Active	HP 2TB SATA 6Gb/s 7200 Hard Drive	QB576AA
Active	HP 4TB SATA 7200 Hard Drive	K4T76AA
Active	HP 6TB Enterprise SATA 7200 HDD	3DH90AA
Active	HP 500GB SATA 6Gb/s 7200 Hard Drive	LQ036AA

PC Solid State Drives

Active	960 GB 2.5 in Enterprise SATA3 SSD	1W6P8AA
Active	HP 2TB PCIe NVME TLC M.2 Z8 G4 SSD	307N2AA
Active	HP 512GB M.2 2280 PCIe TLC SSD Module	8PE63AA
Active	HP Enterprise Class 240GB SATA SSD	T3U07AA
Active	HP Enterprise Class 480GB SATA SSD	T3U08AA
Active	HP Z Turbo Drive 1TB TLC (Z8G4) SSD Module	1PD55AA
Active	HP Z Turbo Drive 2TB TLC Z8 G4 SSD Kit	2Y7W7AA
Active	HP Z Turbo Drive 2TB TLC Z8 G4 SSD Kit	3KP40AA
Active	HP Z Turbo Drive 2TB TLC Z8G4 SSD Module	3KP41AA

Active	HP Z Turbo Drive 512GB SED (Z8 G4) TLC SSD Kit	4YZ45AA
Active	HP Z Turbo Drive Dual Pro 2TB SSD	4YF63AA
Active	HP Z Turbo Drive Dual Pro 512GB SSD	4YF61AA
Active	HP Z Turbo Drive Quad Pro 2TB SSD Module	3KP43AA
Active	HP Z Turbo Drive Quad Pro 2x2TB PCIe SSD	3KP42AA
Active	HP Z Turbo Drive Quad Pro 256GB TLC SSD Module	4YZ35AA
Active	Intel VROC NVMe SSD Premium Ctlr Module	3FJ81AA
Active	Intel VROC NVMe SSD Standard Ctlr Module	3FJ80AA

Personal Media Storage

Active	HP SD 4 Card Reader Zx G4	2VK54AA
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Removable Hard Drive Enclosure

Active	HP 4-in-1 SFF (2.5in) HDD Carrier	B8K60AA
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PC Networking Adapters

PC Fast Ethernet Adapters

Active	Allied Telesis AT-2914SX/LC-901 1GB LC Fiber NIC	1C7Q2AA
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PC Wireless Adapters

Active	Intel 8265 802.11 a/b/g/n/ac&BT PCIe	1QL48AA
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PC Processors

PC Intel Xeon Processors

Active	HP Z8G4 Xeon 3106 1.7 2133 8C CPU2	1XM77AA
Active	HP Z8G4 Xeon 3204 1.9 2133 6C 85W CPU2	5YZ29AA
Active	HP Z8G4 Xeon 4108 1.8 2400 8C CPU2	1XM76AA
Active	HP Z8G4 Xeon 4114 2.2 2400 10C CPU2	1XM74AA
Active	HP Z8G4 Xeon 4210 2.2 2400 10C 85W CPU2	5YZ31AA
Active	HP Z8G4 Xeon 4214 2.2 2400 12C 85W CPU2	5YZ32AA
Active	HP Z8G4 Xeon 4214C 2.3 2400 12C 105W CPU2	5ZB34AA
Active	HP Z8G4 Xeon 4216 2.1 2400 100W 16C CPU2	5YZ34AA
Active	HP Z8G4 Xeon 5118 2.3 2400 12C CPU2	1XM71AA
Active	HP Z8G4 Xeon 5215 2.6 2667 10C 85W CPU2	5YZ35AA
Active	HP Z8G4 Xeon 5220 2.2 2667 18C 105W CPU2	5YZ38AA
Active	HP Z8G4 Xeon 6128 3.4 2666 6C CPU2	1XM69AA
Active	HP Z8G4 Xeon 6140M 2.3 2666 18C CPU2	1XM63AA
Active	HP Z8G4 Xeon 6142M 2.6 2666 16C CPU2	1XM60AA
Active	HP Z8G4 Xeon 6226 2.8 2933 12C 125W CPU2	5YZ40AA
Active	HP Z8G4 Xeon 6234 3.4 2933 8C 130W CPU2	5YZ42AA
Active	HP Z8G4 Xeon 6240C 2.6 2933 18C 150W CPU2	5YZ45AA
Active	HP Z8G4 Xeon 6242 2.8 2933 16C 150W CPU2	5YZ46AA
Active	HP Z8G4 Xeon 6244 3.6 2933 8C 150W CPU2	5YZ47AA
Active	HP Z8G4 Xeon 6246 3.3 2933MHz 12C 165W CPU2	7UD05AA
Active	HP Z8G4 Xeon 6254 3.1 2933 18C 200W CPU2	5YZ50AA
Active	HP Z8G4 Xeon 8160M 2.1 2666 24C CPU2	1XM55AA

Active	HP Z8G4 Xeon 8260 2.4 2933 24C 165W CPU2	5YZ51AA
Active	HP Z8G4 Xeon 8280 2.7 2933 28C 205W CPU2	5YZ53AA
Active	Z8G4 Xeon 4215R 3.2GHz 2400MHz 8C 130W CPU2	9VA82AA
Active	Z8G4 Xeon 5218R 2.1GHz 2666MHz 20C 125W CPU2	9VA84AA
Active	Z8G4 Xeon 5220R 2.2GHz 24C 2666 150W CPU2	8BD06AA
Active	Z8G4 Xeon 6226R 2.9GHz 2933MHz 16C 150W CPU2	9VA86AA
Active	Z8G4 Xeon 6238R 2.2GHz 2933MHz 28C 165W CPU2	9VA89AA
Active	Z8G4 Xeon 6242R 3.1GHz 2933MHz 20C 205W CPU2	9VA91AA
Active	Z8G4 Xeon 6246R 3.4GHz 2933MHz 16C 205W CPU2	9VA92AA
Active	Z8G4 Xeon 6248R 3.0GHz 2933MHz 24C 205W CPU2	9VA93AA
Active	Z8G4 Xeon 6258R 2.7GHz 2933MHz 28C 205W CPU2	9VA96AA
Active	Z8G4 Xeon 8260L 2.4 2933 24C 165W CPU2	170R9AA

Point of Sales System Options

POS Display Accessories

Active	HP L7010t 10.1-inch Retail Touch Monitor	T6N30AA
Active	HP L7014 14-inch Retail Monitor	T6N31AA

Rack Brackets/Bezels/ Panels/Rails/ Trays/Mounting

Mounting Kits

Active	NVIDIA 3D Stereo Bracket	K0A25AA
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Industries

Architecture/Engineering and Construction

Architecture/Engineering and Construction

[Active](#) [Architecture/Engineering and Construction Overview](#)

Communications/Media and Entertainment

Communications/Media and Entertainment

[Active](#) [Communications/Media and Entertainment Overview](#)

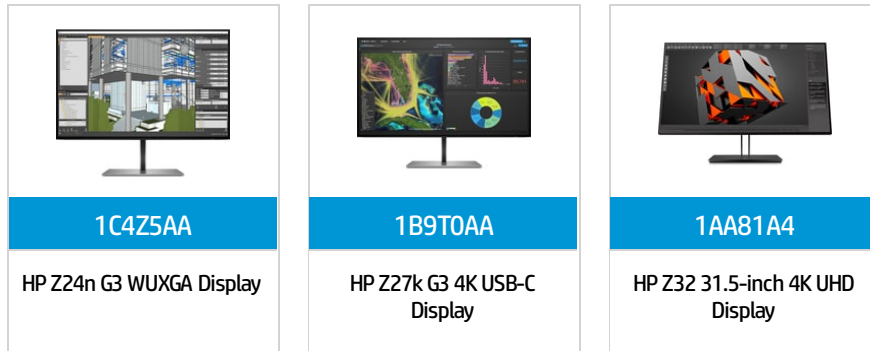
Healthcare

Healthcare

[Active](#) [Healthcare Overview](#)

Monitors

HP Top Recommended Monitors



Business Monitors

HP Recommends

Active	Best	HP Z24n G3 WUXGA Display	1C4Z5AA
Active	Better	HP Z27k G3 4K USB-C Display	1B9T0AA
Active	Good	HP Z32 31.5-inch 4K UHD Display	1AA81A4

EliteDisplays

Active	HP EliteDisplay E243m 60.45 cm(23.8) Monitor	1FH48AA
Active	HP EliteDisplay E273m 68.58 cm (27) Monitor	1FH51AA

E-Series

Active	HP E22 G4 FHD Monitor	9VH72AA
Active	HP E23 G4 FHD Monitor	9VF96AA
Active	HP E24 G4 FHD Monitor	9VF99AA
Active	HP E24 G4 FHD No Stand(Bulk2) Monitor	3R473AA
Active	HP E24i G4 WUXGA Monitor	9VJ40AA
Active	HP E24mv G4 FHD Conferencing Monitor	169L0AA
Active	HP E24q G4 QHD Monitor	9VG12AA
Active	HP E24t G4 FHD Touch Monitor	9VH85AA
Active	HP E24u G4 FHD USB-C Monitor	189T0AA
Active	HP E27 G4 FHD Monitor	9VG71AA
Active	HP E27q G4 QHD Monitor	9VG82AA
Active	HP E27u G4 QHD USB-C Monitor	189T3AA

ProDisplays

Active	HP Mini-in-One 24 Display	7AX23AA
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P-Series

Active	HP P22 G4 22 FHD Monitor	1A7E4AA
Active	HP P22h G4 FHD Monitor	7UZ36A7
Active	HP P22h G4 FHD Monitor	7UZ36AA
Active	HP P24 G4 24 FHD Monitor	1A7E5AA

Active	HP P24h G4 FHD Monitor	7VH44AA
Active	HP P27h G4 FHD Monitor	7VH95AA
Z Displays		
Active	HP DreamColor Z31x Studio Display	Z4Y82A4
Active	HP Z24f G3 FHD Display	3G828AA
Active	HP Z24u G3 WUXGA USB-C Display	1C4Z6AA
Active	HP Z25xs G3 QHD USB-C DreamColor Display	1A9C9AA
Active	HP Z27q G3 QHD Display	1C4Z7AA
Active	HP Z27u G3 QHD Display	1B9X2AA
Active	HP Z27xs G3 4K USB-C DreamColor Display	1A9M8AA
Active	HP Z38c 37.5-inch Curved Display	Z4W65A4
Active	HP Z43 42.5-inch 4K UHD Display	1AA85A4
Active	HP Z24n G3 WUXGA Display	1C4Z5AA
Active	HP Z27k G3 4K USB-C Display	1B9T0AA
Active	HP Z32 31.5-inch 4K UHD Display	1AA81A4

Services

HP Care Pack Services

HP Recommends

Active	HP 5 year Active Care Next Business Day Response Onsite WorkstationHardware Support	U22K5E
Active	HP 5 year Active Care Next Business Day Resp Onsite w/Defective MediaRetention WS HW Supp	U22K8E
Active	HP 5 year Next Business Day Response Onsite Workstation Hardware Support	U7944E

Personal Systems Commercial Care Pack Services

Active	HP 1y Helpdesk Hardware Support	U09X7E
Active	HP 2y Helpdesk Hardware Support	U09X8E
Active	HP 3 year 24x7 Coverage User Assistance Hardware Support	UM253E
Active	HP 3 year 9x7 Coverage Priority Account (1 unit exclude ASM) Hardware Support	U9AH2E
Active	HP 3 year Active Care Next Business Day Resp Onsite w/Defective MediaRetention WS HW Supp	U22K6E
Active	HP 3 year Active Care Next Business Day Response Onsite WorkstationHardware Support	U22K3E
Active	HP 3y Helpdesk Hardware Support	U09X9E
Active	HP 3y Priority Account 1 unit exclude ASM Hardware Support	UQ812E
Active	HP 4 year 9x7 Coverage Priority Account (1 unit exclude ASM) Hardware Support	U9AH3E
Active	HP 4 year Active Care Next Business Day Resp Onsite w/Defective MediaRetention WS HW Supp	U22K7E
Active	HP 4 year Active Care Next Business Day Response Onsite WorkstationHardware Support	U22K4E
Active	HP 4y Helpdesk Hardware Support	U09XBE
Active	HP 5 year 9x7 Coverage Priority Account (1 unit exclude ASM) Hardware Support	U9AH4E
Active	HP 5y Helpdesk Hardware Support	U09XCE
Active	HP 5 year Active Care Next Business Day Response Onsite WorkstationHardware Support	U22K5E
Active	HP 5 year Active Care Next Business Day Response Onsite WorkstationHardware Support	U22K5E
Active	HP 5 year Active Care Next Business Day Resp Onsite w/Defective MediaRetention WS HW Supp	U22K8E
Active	HP 5 year Active Care Next Business Day Resp Onsite w/Defective MediaRetention WS HW Supp	U22K8E

Personal Systems Hardware Support Onsite Service

Active	HP 1 year Post Warranty Next Business Day Response Onsite WS HardwareSupport	U4867PE
Active	HP 3 year 24x7 Coverage 4hr Response Onsite w/Defective Media RetentionWS HW Supp	UL842E
Active	HP 3 year 24x7 Coverage 4hr Response Onsite Workstation Hardware Support	U4875E
Active	HP 3 year 4hr Response Onsite w/Defective Media Retention WorkstationHardware Support	UL833E

Active	HP 3 year Next Business Day Onsite Optional CSR DT/WS Desktop Hardware Support	UE379E
Active	HP 3 year Next Business Day Response Onsite w/Accidental DamageProtection WS HW Supp	U0A86E
Active	HP 3 year Next Business Day Response Onsite w/Defective Media RetentionWS HW Supp	UE342E
Active	HP 3y NBD ONS w/Accidental Damage Protection/Defective Media RetentionWS (High End) HW Supp	U9WU8E
Active	HP 4 year 13x5 Coverage 4hr Response Onsite w/Defective Media RetentionWS HW Supp	UL840E
Active	HP 4 year 24x7 Coverage 4hr Response Onsite Workstation Hardware Support	U7950E
Active	HP 4 year 4hr Response Onsite w/Defective Media Retention WorkstationHardware Support	UL834E
Active	HP 4 year Next Business Day Response Onsite w/Accidental DamageProtection WS HW Supp	U0A87E
Active	HP 4 year Next Business Day Response Onsite w/Defective Media RetentionWS HW Supp	UE343E
Active	HP 4 year Next Business Day Response Onsite Workstation Hardware Support	U7942E
Active	HP 5 year 24x7 Coverage 4hr Response Onsite w/Defective Media RetentionWS HW Supp	UL844E
Active	HP 5 year 4hr Response Onsite w/Defective Media Retention WorkstationHardware Support	UL835E
Active	HP 5 year Next Business Day Response Onsite w/Accidental DamageProtection WS HW Supp	UF239E
Active	HP 5 year Next Business Day Response Onsite w/Defective Media RetentionWS HW Supp	UE344E
Active	HP 5 year Next Business Day Response Onsite Workstation Hardware Support	U7944E

Solutions

Virtual Reality Solutions

Virtual Reality Solutions

Active	Virtual Reality Solutions Overview
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Workstation Solutions

Workstation Solutions

Active	Data Science Workstation Solution
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Active	HP ZCentral Solution
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Detailed Specifications

Additional information on the product category

For the latest information, please visit our Web site at <http://www.hp.com/workstations>

Chipset

Intel® C622

Code name

Eldorado

Compatible displays

All HP Z Displays and HP DreamColor Displays are supported.

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Datasheet photo 1

AHID/cf0693fbf4078741f0cd2096031c8239c6cf6074

Datasheet photo 2

Publication photos/pc-carepack.jpg

Datasheet photo 3

Publication photos/HP Z8 G4 Workstation ap s 1_wyh.jpg

Datasheet photo 4

Publication photos/HP Z8 G4 Workstation ap s 2_wyh.jpg

Datasheet photo 5

Publication photos/HP Z8 G4 Workstation ap s 3_wyh.jpg

Datasheet publication number

4AA7-1578EEAP

Drive bays footnote number

[16]

ECC memory

ECC

Expansion slots

2 PCIe x4; 3 PCIe x8; 4 PCIe x16

Expansion slots note

1 PCIe x8 has rear bulkhead access and 2 PCIe x8 are internal access only. Slot 1: Transforms to PCIe x8 when 2nd CPU is installed. Slots 3 and 6: are available only when 2nd processor is installed. PCIe x16 - Available only when 2nd processor is installed.

External drive bays

One slim ODD

Graphic card footnote number

[17]

Graphics

Discrete

Graphics (discrete)

NVIDIA® GeForce® RTX 2080Ti (11 GB GDDR6 dedicated)

Graphics (integrated)

NVIDIA® GeForce® RTX 2080Ti (11 GB GDDR6 dedicated)

Graphics card brand

NVIDIA®

Graphics card family

GeForce

Graphics card form factor

PCIe x16

Graphics card memory size

11

Graphics card memory size uom

GB

Graphics card memory type

GDDR6

Hard drive (2nd)

2 TB 7200 rpm SATA HDD

I/O Port location

Front

I/O Port location

Rear

Image legal disclaimer

Product image may differ from actual product

Internal drive bays

One 3.5"

Internal Storage

512 GB HP Z Turbo Drive PCIe® SSD

Keyboard

HP USB Slim Business Keyboard

Keyboard connectivity

wired

Keyboard interface

USB

Legal tagline

HP recommends Windows 10 Pro.

Manufacturer Warranty

3 year (3-3-3) limited warranty and service offering includes 3 years of parts, labor and on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

Memory

64 GB DDR4-2933 MHz RAM (2 x 32 GB)

Memory and storage

64 GB memory; 2 TB HDD storage; 512 GB SSD storage

Memory layout (slots & size)

2 x 32 GB

Memory module type

DIMM

Memory size

64

Memory size uom

GB

Memory Slots

24 DIMM with 2 processors

Memory speed

2933

Memory speed uom

MHz

Memory type

DDR4

Minimum dimensions (W x D x H)

21.59 x 55.12 x 44.45 cm

Model Number

RTX™ 2080 Ti

Network interface

Integrated Intel® I219-LMPCle® GbE

Network interface type

LAN

Number of memory slots

2

Number of processors

1

Operating system

Windows 10 Pro 64

Optical drive

HP Slim DVD-Writer

Playbook TS icon battery life

<http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905264.png>

Playbook TS icon connectivity

<http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png>

Playbook TS icon dimensions tower

<https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201997.png>

Playbook TS icon graphics

<https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png>

Playbook TS icon memory

<https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267700.png>

Playbook TS icon OS

<http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png>

Playbook TS icon processor

<https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201972.png>

Playbook TS icon storage

<http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png>

Playbook TS icon weight imperial

<http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png>

Playbook TS icon weight metric

<https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png>

Pointing device

HP USB wired optical mouse

Ports

1 headset connector; 4 USB 3.1 (1 charging)

Ports

6 USB 3.1 Gen 1; 2 RJ-45 (1 GbE); 1 audio-in; 1 audio-out; 1 PS/2 mouse port; 1 PS/2 keyboard port; 1 serial

Ports note

Premium front includes: 1 headset, 2 USB 3.1 Gen1 (1 charging), 2 USB 3.1 Gen 2 Type-C™.

Power

1450 W internal power supply, up to 90% efficiency, active PFC

Processor

Intel® Xeon® Gold 5222 (3.8 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 16.5 MB cache, 4 cores)

Processor base frequency

3.8

Processor Brand

Intel®

Processor cache

16.5 MB L3

Processor core

4

Processor family

Intel® Xeon® Gold processor

Processor family

Xeon® Gold

Processor frequency technology

Intel® Turbo Boost Technology

Processor frequency UOM

GHz

Processor maximum frequency

3.9

Processor maximum frequency uom

GHz

Processor model

5222

Processor name footnote number

[6,7]

Processor threads

8

Product long name specifications

HP Z8 G4 Workstation with Windows 10 Pro 64; Intel® Xeon® Gold 5222 (3.8 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 16.5 MB cache, 4 cores); 64 GB DDR4-2933 SDRAM (2 x 32 GB); 2 TB 7200 rpm SATA, 512 GB HP Z Turbo Drive PCIe® SSD

Product short name specifications

HP Z8 G4 Workstation, Intel® Xeon® Gold, 64GB RAM, 512GB SSD, 2TB HDD

Quickspec

<http://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c05527763>

Sales office and telephone number

Albania: +49 89 9396 1803; Algeria: +213 (0) 61 68 23 00; Austria: +43 (0) 810 00 60 80; Bahrain: 800 171; Belgium: +32 (02) 729 71 11; Bulgaria: +359 2 969 87; Bosnia-Herzegovina: +49 89 9396 1803; Commonwealth of Independent States (CIS): +(095) 923 50 01; Croatia: +385 1 606 02 00; Czech Republic: +420 261 108 108; Denmark: +45 48 12 10 00; HP East Africa, Authorized Consultant: +254 20 27 16 111 ; Egypt: HP +202 792 5070 ; Estonia: +372 6 813 820; Finland: HP Myyntipalvelu 010 217 2700; France: +33 (0) 826 800 400; Germany: +49 (0) 180 532 62 22; Greece: +30 801 11 22 55 47; Hungary: +36 (1) 382 11 11; Iceland: +354 (1) 67 10 00; Ireland: +353 1 615 82 00; Israel: +972 9 830 48 48; Italy: Prodotti +39 02 92607 330, Servizio HP Care Pack: +39 02 9212 2040; Kazakhstan & Kyrgyzstan: +7 327 2 58 43 43; Latvia: +371 703 07 00; Lithuania: +370 5 2103 300; Luxembourg: (+352) 263 160 34 Macedonia: +49 89 9396 1803; Malta: +49 89 9396 1803; Middle East (Within UAE Toll Free): 800 45 20; Moldova: +49 89 9396 1803; Morocco (African Region): Call Centre +212 22 40 47 47, HP Sale Office +212 22 97 37 37/+212 22 43 64 00; Netherlands: 0800 266 7272; Nigeria: + 234 13 205 241/3; Norway: +47 24 09 70 00; Poland: 0 801 522 622 and/or 00 48 22 565 77 00 (calls are charged at national rates); Portugal: +351 808 200 808 (end user welcome desk for commercial products) ; Romania: +40 (21) 303 83 00; Saudi Arabia: (Toll free) 800 897 14 33, Office Number: +96612731200; Serbia and Montenegro: +381 11 201 99 00; Slovakia: 0800 147 147; Slovenia: +386 1 230 74 20; Spain: +34 (91) 631 16 00; Sweden: +46 200 27 00 00; Switzerland: Pre-sales/product information +41 (0) 848 88 44 66, Spare parts, manuals +41 (0) 848 84 74 64; Tunisia: +216 1 89 12 22; Turkey: +90 (212) 444 79 79; UAE (Toll Free): 800 45 20; UAE (Toll Free): 800 45 20 or 800 49 10; Ukraine: +380 44 490 61 20 ; United Kingdom: HP Teleweb Glasgow +44 (0) 845 270 40 00

Security management

HP Sure Start Gen3; Secure authentication; Kensington lock slot; Full volume encryption; HP Keyed Cable Lock Kit; TPM 2.0 certified; HP Secure Erase

Security management footnote number

[14,15,18]

Software

HP Remote Graphics Software (RGS)

Software included

HP Performance Advisor; HP Remote Graphics Software (RGS)

Standard memory note

Transfer rates up to 2933 MT/s.

Storage brand 01

HP Z Turbo Drive

Storage capacity

512

Storage capacity 02

2

Storage capacity uom 01

GB

Storage capacity uom 02

TB

Storage controller

Integrated SATA 6.0 Gb/s

Storage form factor 01

M.2

Storage interface 01

PCIe®

Storage interface 02

SATA

Storage memory technology 01

TLC

Storage speed 02

7200

Storage speed uom 02

rpm

Storage type

HDD; SSD

Storage type 01

SSD

Storage type 02

HDD

Sustainable impact specifications

Low halogen

Sustainable impact specifications footnote number

[12]

Tech spec footnote

[10] Optional or add-on feature.

Tech spec footnote

[11] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.

Tech spec footnote

[12] External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.

Tech spec footnote

[13] HP Remote Graphics Software requires a Windows, Linux®, or Mac® OS X 10.10 and newer operating system and network access.

Tech spec footnote

[14] HP Sure Start Gen3 is available on HP EliteBook, HP ZBook, and HP Z Workstation products equipped with Intel® 7th generation processors.

Tech spec footnote

[15] HP Secure Erase: For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88. Supported on Elite platforms with BIOS version F.03 or higher.

Tech spec footnote

[16] Each bay is configurable to 2.5" or 3.5".

Tech spec footnote

[17] NVIDIA® Quadro® SYNC II sold separately

Tech spec footnote

[18] HP Keyed Cable Lock Kit is available only as an aftermarket option.

Tech spec footnote

[19] HP 10GBASE-T Dual NIC Z6/8 G4 is sold separately or as an optional feature.

Tech spec footnote

[2] 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.

Tech spec footnote

[20] The 3TB memory configuration requires 1 28GB DIMMs which are supported but no longer sold by HP.

Tech spec footnote

[21] Windows 11 Pro and Windows 10 Pro is preinstalled. Windows 7 media is only available upon request from HP Customer Support. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.

Tech spec footnote

[22] NOTE: In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>.

Tech spec footnote

[23] Note: For detailed Linux® OS/hardware support information, see: http://www.hp.com/support/linux_hardware_matrix

Tech spec footnote

[24] Intel® I350-T4 dual4-port GbE NIC is sold separately or as an optional feature.

Tech spec footnote

[25] Not all features are available in all editions or versions of Ubuntu. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS to take full advantage of Ubuntu functionality. Ubuntu may be automatically updated. ISP fees may apply and additional requirements may apply over time for updates.

Tech spec footnote

[26] TCO Certified configurations available when ENERGY STAR configurations are selected with a USB Type-C connector. ENERGY STAR available with a combination of high-performance CPU's, high-performance GPU's and select memory configurations.

Tech spec footnote

[3] Some vPro functionality of this technology, such as Intel® Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers. Microsoft Windows required.

Tech spec footnote

[4] For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB (for Windows) is reserved for system recovery software.

Tech spec footnote

[5] Duplication of copyrighted material is strictly prohibited. Actual speeds may vary. Double Layer media compatibility will widely vary with some home DVD players and DVD-ROM drives. Note that DVD-RAM cannot read or write to 2.6GB Single Sided/5.2 Double Sided-Version 1.0 Media. No support for DVD RAM.

Tech spec footnote

[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.

Tech spec footnote

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

Tech spec footnote

[8] For systems installed with Microsoft Windows 7 (Ultimate, Enterprise or Professional), the maximum accessible system memory is 192 GB. For systems installed with Microsoft Windows 8.x (Enterprise or Pro), the maximum accessible system memory is 512 GB.

Tech spec footnote

[9] Wireless access point and Internet access required. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ac WLAN devices.

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UNSPSC code

43211515

UPC number

194850406423

Weight

Starting at 22.4 kg

Weight note (metric)

Exact weight depends on configuration.

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