



HP Sales Central

HP Z2 Small Form Factor G4 Workstation (6UY07PA)

Active as of 28/03/2019

Overview

Custom-build it on our most powerful small form factor



Get high-end performance in a compact device. Take on 3D design projects and work in multiple pro apps with ease. And with near endless configuration options, it's the ideal hardware if you need a custom solution.

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Take processing to record speeds

Crush demanding single and multi-threaded workflows and take on aggressive multi-tasking without throttling. We redesigned our proprietary motherboard to give you full performance, while keeping components running cool and quiet.

Safeguard your data. Protect your privacy.

Advanced security features come standard on every Z2 Small Form Factor. System safeguards like HP Client Security Suite Gen3¹ and HP Sure Start Gen4² - the industry's first self-healing BIOS - mean your device is locked down tight, so your data and identity are too.

Forget off the shelf. Make it your own.

Build a system matched exactly to your needs with over a million possible configurations. Keep clear of messy dongles and adapters—with customizable I/O ports you can support new, legacy and specialized equipment.

Specifications

Operating system

Windows 10 Pro 64

Processor family

8th Generation Intel® Core™ i7 processor

Processor

Intel® Core™ i7 8700 with Intel® UHD Graphics 630 (3.2 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores)^{6,7}

MDA key selling point

Windows 10 Pro or other operating systems available

Number of processors

1

Chipset

Intel® C246

Environmental

Low halogen

Security management

HP Business PC Security Lock Kit; HP Keyed Cable Lock Kit; HP Solenoid Hood Lock and Sensor; HP UltraSlim Cable Lock Kit; HP Client Security Suite Gen 4; HP Sure Start Gen 4; HP Sure Run; HP Sure Click; HP BIOSphere Gen4

Memory

32 GB DDR4-2666 non-ECC SDRAM (2 x 16 GB)

Memory Slots

4 DIMM

Internal drive bays

One 3.5"

External drive bays

One slim ODD

Internal Storage

1 TB 7200 rpm SATA

Hard drive (2nd)

512 GB HP Z Turbo Drive PCIe® SSD

Storage controller

Integrated SATA (4 ports 6 Gb/s) with integrated RAID 0, 1, for PCIe SSDs supported. Requires identical hard drives (speeds, capacity, interface).

Optical drive

HP 9.5 mm Slim DVD-Writer

Compatible displays

All HP Z Displays and HP DreamColor Displays are supported. For more information see www.hp.com/go/zdisplays

I/O Port location

Front

Ports

1 headphone/microphone combo; 1 USB 2.0 (charging); 2 USB 3.0; 1 USB 3.1 Gen 2 Type-C™ (charging)

(1 USB 3.0 and 2 USB 2.0 ports available as 2 separate 2x10 (3.0x1, 2.0x1) and 2x5 (2.0x2) header. Supports one HP Internal USB 2.0 Port Kit and one USB 3.0 media card reader.)

I/O Port location

Back

Ports

1 audio-in; 1 audio-out; 1 DVI-I single link; 1 RJ-45; 2 DisplayPort™ 1.2; 2 USB 2.0; 4 USB 3.0

Expansion slots

2 M.2 PCIe 3 x4; 1 PCIe Gen 3 x16; 2 PCIe 3 x1 (x4 open ended connector); 2 PCIe 3 x4 (x16 connector)

Network interface type

LAN

Network interface

Integrated Intel® I219-LM PCIe® GbE

Audio

Conexant CX20632-31Z, 1.5W internal mono speaker

Power

310 W internal power adapter, up to 90% efficiency, active PFC

Energy efficiency

ENERGY STAR® certified

Minimum dimensions (W x D x H)

33.8 x 38.1 x 10 cm

(Standard desktop orientation.)

Weight

Starting at 5.7 kg

Software

HP Remote Graphics Software (RGS) 7.1

Keyboard

HP USB Business Slim Keyboard

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 Requires Windows and Intel® or AMD 7th or 8th generation processors.
- 2 HP Sure Start Gen4 is available on HP Elite and HP Workstation products equipped with 8th generation Intel® or AMD processors.
- 3 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

- 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 is not a measurement of higher performance. Intel, Pentium, Intel Core, Celeron, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries.
- 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

Customer presentation (2)

HP VR ISV Program Presentation

Presentation providing details on the HP VR ISV Program, designed to foster collaboration between Independent Software Vendors (ISVs) and HP to build end-to-end VR solutions for enterprise & SMB customers.

HP VR Solutions Customer Deck - condensed

SHORT VERSION of the master HP VR Solutions Customer Deck featuring HP's VR strategy overview and use cases by segment, with solution partner video overviews.

FAQ/Q&A (2)

RAID FAQ

This document addresses the Frequently Asked Questions about RAID, including the different RAID configurations, how to initialize these configurations, and which configurations are supported by HP.

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Quick specs (1)

WW WS - HP Z2 Small Form Factor G4 Workstation - 5/19 - EN

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

Reference guide (2)

Z By Hp Family Quick Reference Guide

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

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

Report (3)

HP and Microsoft: Future of Workspaces eReport by Architizer

Overview of how seven companies across the globe are transforming their offices and workspaces to stay current with these top mega trends and attract and retain top talent.

HP and Microsoft: Next-Gen Offices - The Future of Workspaces Report

Highlight of four top mega trends that are transforming work environments and workspaces across the world. Learn the impact of these trends and how companies are joining the revolution to stay current with a growing millennial workforce.

The new era of computational productivity

Article on the future of design and engineering - Forest report

Sales guide (2)

HP Z Workstations Graphics Quick Reference Guide

Tabloid spread document that highlights all of the available NVIDIA and ATI graphics cards for the HP Z Workstations, HP Z Workstation graphics card option

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Success story (12)

AMP'D Gear creates functional, affordable prosthetic devices on HP Workstations

AMP'D Gear makes performance sporting gear for amputees. Its prosthetics must be highly functional—and affordable. Partners Casey Pieretti and Bill Spracher streamline design, collaborate seamlessly with HP EliteBook Mobile and HP Z800 Workstations.

Brain Farm: Pushing the envelope of digital filmmaking with HP Z Workstations

Brain Farm is an award winning, full service entertainment and production company that specializes in creating unforgettable film, TV, digital and commercial content. For the power to handle high-resolution, post-production workflows, Brain Farm relies on HP Z Workstations and HP DreamColor Professional Displays.

HP Z Turbo Drive facilitates fast, highly accurate geophysical interpretation

CGG is a fully integrated geoscience company. Their Insight Earth software runs on HP Z840 Workstations equipped with the HP Z Turbo Drive, enabling CGG to consistently guide oil and gas exploration to successful, productive fields and well sites.

HP Z Workstations enable success in innovative STEM curriculum for Weber Schools

A leader in offering a competitive science, math and technology based curriculum, Weber School District in Northern Utah integrates HP Z Workstations to provide educational experience and motivate students to attain their academic potential.

Jonathan Bird Productions powerfully edits and renders with HP Z820 Workstation

Jonathan Bird's Blue World is an educational underwater adventure series by underwater photographer Jonathan Bird. Bird switched to the high-performance HP Z820 Workstation to streamline workflow and meet the high production standards of the series.

Larson & Darby Group: HP Z Workstations enable small company to do big things in AEC

Full-service architectural, engineering, interiors, and technology design firm uses HP Z Workstations to compete effectively with larger firms in the tech-heavy AEC industry.

Lone Star College: Growing Texas community college relies on HP computer portfolio

Fast-growing community college in Houston builds student success by providing high quality technology tools from HP.

New England Institute of Technology relies on high performance of HP technology

To meet its needs for reliability and high-end performance, New England Institute of Technology standardized on HP products ranging from HP All-in-One and EliteBook PCs to HP Digital Signage. HP Workstations are showcased in the new HP Gaming Lab.

Otis College of Art and Design prepare students with HP Z Workstations

Otis College of Art and Design helps students prepare for careers in fields ranging from architecture to fashion design. Otis relies on the latest HP Z Workstations to provide its students with the technology to prepare for real-world experience.

Sheridan College prepares students for career excellence

HP Z6 and HP Z VR Backpack Workstations ensure industry standard experience at Canada's #1 art school

Universidad Andrés Bello, Chile

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

West Coast Customs builds its business with HP Elite PCs, Z-series Workstations

Car enthusiasts know West Coast Customs as the place to go for outrageous custom car-building. Standardizing on HP Elite-series facilitates common user experience and simplifies IT support. HP Z Workstation provides efficient design rendering.

Technical white paper (13)

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.

Configuring RAID with HP Z Turbo Drive

This document describes how to set up RAID on your HP Z Workstation and the advantages of using RAID with the HP Z Turbo Drive, including greater performance or greater reliability. The HP Z Turbo Drive G2 products were used to create this document, but any HP Z Turbo Drive can use this same process to create a RAID configuration.

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DDR4 Memory Technology on HP Z Workstations

DDR4 is the latest memory technology available for main memory on mobile, desktops, workstations, and server computers. DDR4 is supported on the HP Z440, HP Z640, and HP Z840 Workstations.

HP Z Workstation and PTC Creo White Paper

This white paper explains the recommended configurations for running PTC Creo on HP Z Workstations as well as demonstrates the HP Performance Advisor application.

HP Z6 G6 Workstation Architecture Technical Whitepaper

The HP Z6 G4 is the successor to the HP Z640 personal workstation. Its architecture introduces several new functionalities and technologies. These include all new Intel memory architecture, Intel-integrated 10 GbE, I/O slot improvements and better performance.

HP Z8 G4 Workstation Technical Whitepaper

Technical overview of the HP Z8 G4 Workstation including Chassis and system highlights, system architecture, I/O slot optimizations, storage configurations and RAID, memory configurations and optimization, thermals and acoustics

Installing Microsoft Windows Server 2016 On Hp Z G4, Hp Zx40, and Hp Z2 Mini G3 Workstations

Installing Microsoft Windows Server 2016 On Hp Z G4, Hp Zx40, And Hp Z2 Mini G3 Workstations

Intel Turbo Boost Max Technology 3.0 on HP Workstations

This white paper details Intel TBMT 3.0 support on HP Workstations, and guides customers with a system configured with an appropriate E5-1600v4 processor through the steps to enable and utilize the driver/application package.

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.

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.




Risks of unexpected power loss on solid state drives White Paper

Technical white paper discussing power loss on solid state drives. Informs customers about the risks associated with unexpected power loss on the data integrity of solid state drives (SSDs).

SSD Endurance White Paper

Manufacturers are working hard to increase the endurance of both commercial and consumer SSDs. There are small steps SSD users can take to extend the lifespan of their SSDs which are covered in this document.

Images - Product (4)

		
Center facing	Left facing	Right facing
54 x 41 (jpg) 54 x 41 (png) 100 x 70 (jpg) 96 x 72 (jpg) 96 x 72 (png) 99 x 74 (png) 153 x 115 (png) 180 x 135 (png) 240 x 180 (jpg) 240 x 180 (png) 247 x 185 (png) 170 x 190 (jpg) 257 x 193 (png) 320 x 240 (jpg) 320 x 240 (png) 474 x 356 (png) 513 x 385 (png) 400 x 400 (jpg) 400 x 400 (png) 573 x 430 (png) 800 x 600 (png) 1500 x 1098 (jpg) 3844 x 1214 (png) 659 x 1246 (png) 3843 x 1268 (jpg)	54 x 41 (jpg) 54 x 41 (jpg) 54 x 41 (png) 54 x 41 (png) 100 x 70 (jpg) 100 x 70 (jpg) 96 x 72 (jpg) 96 x 72 (jpg) 96 x 72 (png) 96 x 72 (png) 99 x 74 (png) 99 x 74 (png) 153 x 115 (png) 153 x 115 (png) 180 x 135 (png) 180 x 135 (png) 240 x 180 (jpg) 240 x 180 (jpg) 240 x 180 (png) 240 x 180 (png) 247 x 185 (png) 247 x 185 (png) 170 x 190 (jpg) 170 x 190 (jpg) 257 x 193 (png) 257 x 193 (png) 320 x 240 (jpg) 320 x 240 (jpg) 320 x 240 (png) 320 x 240 (png) 474 x 356 (png) 474 x 356 (png) 513 x 385 (png) 513 x 385 (png) 400 x 400 (jpg) 400 x 400 (jpg) 400 x 400 (png) 400 x 400 (png) 573 x 430 (png) 573 x 430 (png) 800 x 600 (png) 800 x 600 (png) 1500 x 990 (jpg) 1500 x 1003 (jpg) 1659 x 1246 (png) 659 x 1246 (png)	54 x 41 (jpg) 54 x 41 (jpg) 54 x 41 (png) 54 x 41 (png) 100 x 70 (jpg) 100 x 70 (jpg) 96 x 72 (jpg) 96 x 72 (jpg) 96 x 72 (png) 96 x 72 (png) 99 x 74 (png) 99 x 74 (png) 153 x 115 (png) 153 x 115 (png) 180 x 135 (png) 180 x 135 (png) 240 x 180 (jpg) 240 x 180 (jpg) 240 x 180 (png) 240 x 180 (png) 247 x 185 (png) 247 x 185 (png) 170 x 190 (jpg) 170 x 190 (jpg) 257 x 193 (png) 257 x 193 (png) 320 x 240 (jpg) 320 x 240 (jpg) 320 x 240 (png) 320 x 240 (png) 474 x 356 (png) 474 x 356 (png) 513 x 385 (png) 513 x 385 (png) 400 x 400 (jpg) 400 x 400 (jpg) 400 x 400 (png) 400 x 400 (png) 573 x 430 (png) 573 x 430 (png) 800 x 600 (png) 800 x 600 (png) 1500 x 952 (jpg) 1500 x 1005 (jpg) 1659 x 1246 (png) 659 x 1246 (png)

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4206 x 1893 (png) 202 x 1976 (jpg)

4429 x 1884 (png) 195 x 1886 (png)
4199 x 1962 (jpg) 4428 x 1964 (jpg)



Detail view

54 x 41 (jpg) 54 x 41 (png)
100 x 70 (jpg) 96 x 72 (jpg)
96 x 72 (png) 99 x 74 (png)
153 x 115 (png) 180 x 135 (png)
240 x 180 (jpg) 240 x 180 (png)
247 x 185 (png) 170 x 190 (jpg)
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320 x 240 (png) 474 x 356 (png)
513 x 385 (png) 400 x 400 (jpg)
400 x 400 (png) 573 x 430 (png)
800 x 600 (png) 1500 x 843 (jpg)
1659 x 1246 (png) 5000 x 2225 (png)
5000 x 2308 (jpg)

Images - Product in use (7)



HP Z2 Small Form Factor G4 Workstation, HP Z24n G2 24-inch Display



HP Z2 Small Form Factor G4 Workstation, HP Z24n G2 24-inch Display



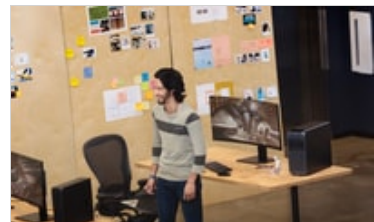
HP Z24n G2 24-inch Display, HP Z2 Small Form Factor G4 Workstation



HP Z24n G2 24-inch Display, HP Z2 Small Form Factor G4 Workstation




HP Z27 27-inch 4K UHD Display, HP Z2 Small Form Factor G4 Workstation



HP Z27 27-inch 4K UHD Display, HP Z38c 37.5-inch Curved Display, HP Z4 G4 Workstation, HP Z2 Small F





HP ZBook Studio G5 Mobile
Workstation, HP Z2 Small
Form Factor G4 Workstation,
HP Z27 27-inch 4K UHD

Cables/Cable Kits/Cable Adapters

Audio and Video Cables

[Active](#)

HP DisplayPort to DVI-D Adapter

FH973AA

[Active](#)

HP DisplayPort To VGA Adapter

AS615AA

Cable Adapters

[Active](#)

HP Single miniDP-to-DP Adapter Cable

2MY05AA

[Active](#)

HP USB-C to DP Adapter

4SH08AA

[Active](#)

HP USB-C to HDMI Adapter

4SH07AA

[Active](#)

HP USB-C to VGA Adapter

4SH06AA

Data Transfer Cables

[Active](#)

Intel 10GbE SFP+ SR Tranceiver

C3N53AA

PC Cable Options

[Active](#)

HP 2.5-in to 3.5-in HDD Adapter Kit

J5T63AA

Port Cables and Cable Adapters

[Active](#)

HP Internal USB Port Kit

EM165AA

Chassis and Chassis Accessories

Brackets/Bezels/Panels

[Active](#)

HP Z2 SFF G4 Dust Filter

3TQ23AA

[Active](#)

HP Z2 SFF G4 Dust Filter and Bezel

4KY90AA

[Active](#)

HP Z2 Tower G4 Dust Filter and Bezel

4KY89AA

Expansion Solution and Controller Cards

Port Adapters

[Active](#)

HP DisplayPort Port Flex IO

3TK72AA

[Active](#)

HP HDMI Port Flex IO (400/600/800)

3TK74AA

[Active](#)

HP LAN Flex Port

3TQ26AA

[Active](#)

HP PCIe x1 Parallel Port Card

N1M40AA

[Active](#)

HP Serial Port Adapter

PA716A

[Active](#)

HP USB-C 3.1 Alt DP Flex Port

4KY84AA

[Active](#)

HP VGA Port Flex IO

3TK80AA

[Active](#)

HP Z2 Front USB-C 3.1 Port

4KY85AA

Graphics Cards

Graphics Cards

[Active](#)

AMD Radeon Pro WX 3100 4GB Graphics Card

2TF08AA

[Active](#)

AMD Radeon Pro WX 4100 4GB Graphics Card

Z0B15AA

Active

NVIDIA Quadro P400 2GB Graphics

1ME43AA

Active

NVIDIA Quadro P620 2GB Graphics Card

3ME25AA

Active

NVIDIA Quadro P1000 4GB Graphics

1ME01AA

Active

NVIDIA Quadro P1000 MXM kit

3TQ30AA

Keyboards/Mice/Monitors and Input Devices

Keyboard and Mouse Kits

Active

HP Wireless Slim Business Keyboard

N3R88AA

Keyboards

Active

HP Business Slim Smartcard Keyboard

Z9H48AA

Active

HP PS/2 Slim Business Keyboard

N3R86AA

Active

HP USB Premium Keyboard

Z9N40AA

Active

HP USB Slim Business Keyboard

N3R87AA

Active

HP Wireless Premium Keyboard

Z9N41AA

Mice

Active

3Dconnexion CadMouse

M5C35AA

Active

HP USB Optical 2.9M Mouse

Z3Q64AA

Memory

Cache Memory

Active

16 GB Intel Optane Memory

2EB68AA

DDR4 Memory

Active

HP 4GB(1x4GB) DDR4-2666 nECC RAM

3TQ31AA

Active

HP 8GB (1x8GB) DDR4-2666 ECC Unbuff RAM

3TQ39AA

Active

HP 16GB (1x16GB) DDR4-2666 ECC Unbuff RAM

3TQ40AA

Active

HP 16GB (1x16GB) DDR4-2666 nECC RAM

3PL82AA

Network Adapters

Adapter Cards

Active

Intel X550 10GBASE-T Dual Port NIC

1QL46AA

Active

Intel X710-DA2 10GbE SFP+ DP NIC

1QL47AA

PC Controller/Controller Options

PC Processor Cards

Active

Aquantia NBASE-T 5GbE PCIe NIC

1PM63AA

Active

Intel Ethernet I350-T2 2-Port 1Gb NIC

V4A91AA

[Active](#)

Intel Ethernet I350-T4 4-Port 1Gb NIC
W8X25AA

PC Drives and Storage

Blu-ray Drives

[Active](#)

HP 9.5mm Slim BDXL Blu-Ray Writer Drive
K3R65AA

PC DVD Drives

[Active](#)

HP 9.5mm Slim DVD Writer
2ZK26AA

[Active](#)

HP HH DVD Writer (16X RW DVD-R)
4AR67AA

PC DVD-ROM Drives

[Active](#)

HP 9.5mm Slim DVD-ROM Optical Drive
K3R63AA

PC SATA Hard Drives

[Active](#)

HP 1TB Enterprise SATA 7200 HDD
WOR10AA

[Active](#)

HP 1TB SATA 6Gb/s 7200 Hard Drive
LQ037AA

[Active](#)

HP 2TB SATA 6Gb/s 7200 Hard Drive
QB576AA

[Active](#)

HP 2TB SATA SSD
Y6P08AA

[Active](#)

HP 4TB SATA 7200 Hard Drive
K4T76AA

[Active](#)

HP 6TB Enterprise SATA 7200 HDD
3DH90AA

[Active](#)

HP 500GB 7200rpm SATA SFF SED Hard Drive
D8N29AA

[Active](#)

HP 500GB SATA 6Gb/s 7200 Hard Drive
LQ036AA

PC Solid State Drives

[Active](#)

HP 1TB Solid State Drive
F3C96AA

[Active](#)

HP 256GB SATA SED Opal2 Solid State Drive
G7U67AA

[Active](#)

HP 256GB SATA Solid State Drive
A3D26AA

[Active](#)

HP 512GB SATA SED SSD
N8T26AA

[Active](#)

HP 512GB SATA Solid State Drive
D8F30AA

[Active](#)

Intel Optane SSD 900p 280GB AiC
25C47AA

[Active](#)

Intel Optane SSD 900p 480GB AiC
25C48AA

Personal Media Storage

[Active](#)

HP SD Card Reader
Y0L99AA

Removable Hard Drive Enclosure

[Active](#)

HP DP25 Removable 2.5in HDD Frame Carrier
W3J84AA

Point of Sales System Options

POS Display Accessories

Active

HP L6010 10.4-inch Retail Monitor

A1X76AA

Active

HP L6015tm 15-inch Retail Touch Monitor

A1X78AA

Active

HP L6017tm 17-inch Retail Touch Monitor

A1X77AA

Active

HP L7010t 10.1-inch Retail Touch Monitor

T6N30AA

Active

HP L7014 14-inch Retail Monitor

T6N31AA

Active

HP L7014t 14-inch Retail Touch Monitor

T6N32AA

Active

HP L7016t 15.6-inch Retail Touch Monitor

V1X13AA

Security and Protection

PC Locks

Active

HP Business PC Security Lock v3 Kit

3XJ17AA

Business Monitors

EliteDisplays

Active

HP EliteDisplay E190i 18.9-inch LED Backlit IPS Monitor
E4U30AA

Active

HP EliteDisplay E190i 18.9-inch LED Backlit IPS Monitor
E4U30AC

Active

HP EliteDisplay E190i 18.9-inch LED Backlit IPS Monitor
E4U30AP

Active

HP EliteDisplay E202 20-inch Monitor
M1F41AA

Active

HP EliteDisplay E223 21.5-inch Monitor
1FH45AA

Active

HP EliteDisplay E230t 23-inch Touch Monitor
W2Z50AA

Active

HP EliteDisplay E233 23-inch Monitor
1FH46AA

Active

HP EliteDisplay E243 23.8-inch Monitor
1FH47AA

Active

HP EliteDisplay E243d 23.8-inch Docking Monitor
1TJ76AA

Active

HP EliteDisplay E243i 24-inch Monitor
1FH49AA

Active

HP EliteDisplay E243m 23.8-inch Monitor
1FH48AA

Active

HP EliteDisplay E273 27-inch Monitor
1FH50AA

Active

HP EliteDisplay E273m 27-inch Monitor
1FH51AA

[Active](#)

HP EliteDisplay E273q 27-inch Monitor

1FH52AA

[Active](#)

HP EliteDisplay S270n 27-inch 4k Micro Edge Monitor

2PD37AA

[Active](#)

HP EliteDisplay S340c 34-inch Curved Monitor

V4G46AA

Healthcare Edition Displays

[Active](#)

HP Healthcare Edition HC241 Clinical Review Monitor

3ME68AA

[Active](#)

HP Healthcare Edition HC241p Clinical Review Monitor

3ME69AA

[Active](#)

HP Healthcare Edition HC270cr Clinical Review Monitor

1QW03AA

[Active](#)

HP Healthcare Edition HC271 Clinical Review Monitor

3ME70AA

[Active](#)

HP Healthcare Edition HC271p Clinical Review Monitor

3ME71AA

Large Format Display

[Active](#)

HP LD4312 4K Large Format Display

3XE86AA

[Active](#)

HP LD5512 4K UHD Conferencing Display

2YD85AA

ProDisplays

[Active](#)

HP ProDisplay P200 19.5-in LED Backlit Monitor

F7M92AA

[Active](#)

HP ProDisplay P203 20-inch Monitor

X7R53AA

[Active](#)

HP ProDisplay P222c 21.5-inch Video Conferencing Monitor
L4J08AA

[Active](#)

HP ProDisplay P223 21.5-inch Monitor
X7R61AA

[Active](#)

HP ProDisplay P223a 21.5-inch Monitor
X7R62AA

[Active](#)

HP ProDisplay P232 23-inch Monitor
K7X31AA

[Active](#)

HP ProDisplay P232 23-inch Monitor
K7X31AC

[Active](#)

HP ProDisplay P240va 23.8-inch Monitor
N3H14AA

Value Displays

[Active](#)

HP N223v 21.5-inch Monitor
1RM23AA

[Active](#)

HP N246v 23.8-inch Monitor
1RM28AA

[Active](#)

HP V220 21.5-inch Monitor
4CJ27AA

[Active](#)

HP V223 21.5-inch Monitor
V5G70AA

[Active](#)

HP V243 24-inch Monitor
V5J53AA

[Active](#)

HP V244h 23.8-inch Monitor
W1Y58AA

[Active](#)

HP V270 27-inch Monitor
2KZ35AA

Z Displays

[Active](#)

HP DreamColor Z24x G2 Display

1JR59A4

[Active](#)

HP DreamColor Z24x G2 Display

1JR59AT

[Active](#)

HP DreamColor Z27x G2 Studio Display

2NJ08A4

[Active](#)

HP DreamColor Z31x Studio Display

Z4Y82A4

[Active](#)

HP Z22n G2 21.5-inch Display

1JS05A4

[Active](#)

HP Z23n G2 23-inch Display

1JS06A4

[Active](#)

HP Z24i G2 24-inch Display

1JS08A4

[Active](#)

HP Z24n G2 24-inch Display

1JS09A4

[Active](#)

HP Z24nf G2 23.8-inch Display

1JS07A4

[Active](#)

HP Z27 27-inch 4K UHD Display

2TB68A4

[Active](#)

HP Z27n G2 27-inch Display

1JS10A4

[Active](#)

HP Z32 31.5-inch 4K UHD Display

1AA81A4

[Active](#)

HP Z38c 37.5-inch Curved Display

Z4W65A4

[Active](#)

HP Z43 42.5-inch 4K UHD Display

1AA85A4

Architecture/Engineering and Construction

Architecture/Engineering and Construction

Active

Architecture/Engineering and Construction Overview

AECOVERVIEW

Education

Education

Active

Higher Education

HPHIEDUOVRVIEW

Financial Services and Insurance

Financial and Insurance

Active

Financial Services and Insurance Overview

HPFSISGOVRVIEW

Government

Government

Active

Government Overview

HPGOVSOVERVIEW

Retail

Retail

Active

Retail Overview

HPINDRETAILOVERVIEW

HP Care Pack Services

HP Recommends

Active

HP 4 year Next Business Day Onsite Hardware Support for Workstations

U1G37E

Active

HP 5 year Next Business Day Onsite Hardware Support for Workstations

U1G39E

Active

HP 3 year 4 hour Onsite 9x5 Hardware Support for Workstations

U1G26E

Personal Systems Commercial Care Pack Services

Personal Systems Hardware Support Onsite Service

Application Software

Desktop Application Software

Active

Microsoft Office 365 Business Premium

6MW80AA

Active

Microsoft Office 365 Home 6MW78AA

6MW78AA

Active

Microsoft Office 365 Personal 6MW79AA

6MW79AA

Active

Microsoft Office Home and Student 2019 for PC

6MW81AA

Active

MS Office Home and Business 2019 for PC 6MW82AA

6MW82AA

OEM Solutions

OEM Solutions

Active

OEM Solutions

OEMSOLUTIONS

Security Solutions

Computer Security

Active

Computer Security

HPCOMPSECURE

Virtual Reality Solutions

Virtual Reality Solutions

Active

Virtual Reality Solutions Overview

VRSOVERVIEW

Detailed Specifications

Accessories

6 TB SATA 7200 rpm 6 Gb/s 3.5" HDD - 3DH90AA; 16 GB (1 x 16 GB) DDR4-2666 nECC Unbuffered RAM - 3PL82AA; HP Z2 SFF G4 Dust Filter - 3TQ23AA; HP Z24n G2 24-inch Display - 1JS09A8; HP 5 year Next Business Day Onsite HW Support w/Defective Media Retention for Workstations - U1G57E.

Additional information on the product category

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

Audio

Conexant CX20632-31Z, 1.5W internal mono speaker

Chipset

Intel® C246

Code name

GaBEE

Compatible displays

All HP Z Displays and HP DreamColor Displays are supported. For more information see www.hp.com/go/zdisplays

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Datasheet publication number

4AA7-2379EEAP

Dimensions (W x D x H) Note

Standard desktop orientation.

Energy efficiency

ENERGY STAR® certified

Environmental

Low halogen

Environmental specification footnote number

[29]

Expansion slots

2 M.2 PCIe 3 x4; 1 PCIe Gen 3 x16; 2 PCIe 3 x1 (x4 open ended connector); 2 PCIe 3 x4 (x16 connector)

External drive bays

One slim ODD

External I/O ports footnote number

[14]

External I/O ports footnote number

[9]

Graphic card footnote number

[12]

Graphics

Entry 3D

Graphics

NVIDIA® Quadro® P1000 (4 GB GDDR5 dedicated)

Hard drive (2nd)

512 GB HP Z Turbo Drive PCIe® SSD

I/O Port location

Back

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

1 TB 7200 rpm SATA

Keyboard

HP USB Business Slim Keyboard

Legal tagline

HP recommends Windows 10 Pro.

MDA key selling point

Windows 10 Pro or other operating systems available

Memory

32 GB DDR4-2666 non-ECC SDRAM (2 x 16 GB)

Memory and storage

32 GB memory; 1 TB HDD storage; 512 GB SSD storage

Memory Slots

4 DIMM

Minimum dimensions (W x D x H)

33.8 x 38.1 x 10 cm

Network interface

Integrated Intel® I219-LM PCIe® GbE

Network interface type

LAN

Number of processors

1

Operating system

Windows 10 Pro 64

Optical drive

HP 9.5 mm Slim DVD-Writer

Pointing device

HP USB Optical Mouse

Ports

1 audio-in; 1 audio-out; 1 DVI-I single link; 1 RJ-45; 2 DisplayPort™ 1.2; 2 USB 2.0; 4 USB 3.0

Ports

1 headphone/microphone combo; 1 USB 2.0 (charging); 2 USB 3.0; 1 USB 3.1 Gen 2 Type-C™ (charging)

Ports

1 USB 3.0; 2 USB 2.0

Ports note

1 USB 3.0 and 2 USB 2.0 ports available as 2 separate 2 x 10 (3.0 x 1, 2.0 x 1) and 2 x 5 (2.0 x 2) header. Supports one HP Internal USB 2.0 Port Kit and one USB 3.0 media card reader.

Power

310 W internal power adapter, up to 90% efficiency, active PFC

Processor

Intel® Core™ i7 8700 with Intel® UHD Graphics 630 (3.2 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores)

Processor family

8th Generation Intel® Core™ i7 processor

Processor name footnote number

[6,7]

Processor note

Configurations with the Xeon E-2124G, E-2126G, E-2136, E-2144G, 2174G and E-2176G offered on the Mini Performance model only.

Processor speed

3.2 GHz

Product long name specifications

HP Z2 Small Form Factor G4 Workstation with Windows 10 Pro 64; Intel® Core™ i7 8700 with Intel® UHD Graphics 630 (3.2 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores); 32 GB DDR4-2666 non-ECC SDRAM (2 x 16 GB); 1 TB 7200 rpm SATA, 512 GB HP Z Turbo Drive PCIe® SSD

Quickspec

<http://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c05987487>

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: +9661 2731200; 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 Business PC Security Lock Kit; HP Keyed Cable Lock Kit; HP Solenoid Hood Lock and Sensor; HP UltraSlim Cable Lock Kit; HP Client Security Suite Gen 4; HP Sure Start Gen 4; HP Sure Run; HP Sure Click; HP BIOSphere Gen4

Security management footnote number

[9,22,24,25,26,27]

Service description

HP 5-year Next Business Day Onsite Workstation Only Hardware Support

Services (Care Pack)

Receive 5 years of next business day onsite repair from an HP-qualified technician for your computing device, if the issue cannot be solved remotely. For more information on Care Pack services, please visit

www.hp.com/go/cpc.

Software

HP Remote Graphics Software (RGS) 7.1

Software footnote number

[16]

Standard memory note

Transfer rates up to 2666 MT/s.

Storage acceleration

16 GB PCIe® NVMe™ Intel® Optane™ Memory for storage acceleration

Storage acceleration footnote number

[38]

Storage controller

Integrated SATA (4 ports 6 Gb/s) with integrated RAID 0, 1, for PCIe SSDs supported. Requires identical hard

drives (speeds, capacity, interface).

Storage type

HDD; SSD

Tech spec footnote

[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>

Tech spec footnote

[10] HD content required to view HD images.

Tech spec footnote

[11] Intel® HD graphics 630 is configurable as a standalone graphics option; Intel® HD graphics P630 only used when NVIDIA® Optimus™ Technology is enabled.

Tech spec footnote

[12] NVIDIA® Quadro® mobile professional graphics support up to four independent displays when using a HP ZBook Dock with Thunderbolt 3 (sold separately) or DP 1.2 hubs with MST.

Tech spec footnote

[13] Wireless access point and Internet service required and sold separately. 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 workstation to communicate with other 802.11ac WLAN devices.

Tech spec footnote

[14] 3 DisplayPort 1.2 in Performance model.

Tech spec footnote

[16] HP Performance Advisor and HP Remote Graphics Software requires internet access.

Tech spec footnote

[17] 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

[18] 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.

Tech spec footnote

[19] With Blu-Ray, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require a DVI or HDMI digital connection and your display may require HDCP support. HD-DVD movies cannot be played on this Desktop PC.

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] Some devices for academic use will automatically be updated to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary; see <https://aka.ms/ProEducation> for Windows 10 Pro Education feature information.

Tech spec footnote

[22] HP BIOSphere Gen4 features may vary depending on the PC platform and configurations requires 8th Gen Intel® processors.

Tech spec footnote

[24] HP Client Security Suite Gen 4 requires Windows and Intel® or AMD 8th generation processors.

Tech spec footnote

[25] HP Sure Click is available on select HP platforms and supports Microsoft® Internet Explorer and Chromium™. Check <http://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-0922ENW> for all compatible platforms as they become available.

Tech spec footnote

[26] HP Sure Start Gen4 is available on HP Workstation products equipped with Intel® 8th generation processors.

Tech spec footnote

[27] HP Sure Run is available on HP Workstations products equipped with 8th generation Intel® or AMD® processors.

Tech spec footnote

[29] 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

[3] 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

[30] Configurations with the Xeon E-2124G, E-2126G, E-2136, E-2144G, 2174G and E-2176G offered on the Mini Performance model only.

Tech spec footnote

[31] 1TB, 4TB and 6TB Enterprise Class 3.5" HDDs.

Tech spec footnote

[38] Intel® Optane™ memory is sold separately. Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system. Available for HP commercial desktops and notebooks and for select HP workstations (HP Z240 Tower/SFF, Z2 Mini, ZBook Studio, 15 and 17 G5) and requires a SATA HDD, 7th Gen or higher Intel® Core™ processor or Intel® Xeon® processor E3-1200 V6 product family or higher, BIOS version with Intel® Optane™ supported, Windows 10 version 1703 or higher, M.2 type 2280-S1-B-M connector on a PCH Remapped PCIe Controller and Lanes in a x2 or x4 configuration with B-M keys that meet NVMe™ Spec 1.1, and an Intel® Rapid Storage Technology (Intel® RST) 15.5 driver.

Tech spec footnote

[4] Intel® Optane™ memory (cache) is sold separately. Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system and requires configuration with an Intel® Core™ i+ processor.

Tech spec footnote

[5] vPro. Some 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. Compatibility future "virtual appliances" is yet to be determined.

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 is not a measurement of higher performance. Intel, Pentium, Intel Core, Celeron, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries.

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 storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36GB of system disk (for Windows 10) is reserved for system recovery software.

Tech spec footnote

[9] Optional or add-on feature

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UNSPSC code

43211515

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.

Weight

Starting at 5.7 kg

Weight note (metric)

Exact weight depends on configuration.

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