ProductSheet

HP Z2 Mini G9 Workstation (B01SNUA)

Powers large workflows. Fits a tiny space.

Tackle workflows you never thought before possible on such a tiny PC. The HP Z2 Mini easily fits on your desk or behind your monitor so you can tackle 3D projects without losing valuable office space. All while feeling protected From the BIOS to the browser, above, in, and below the OS with HP Wolf Security Suite.

HP recommends Windows 11 Pro for business

Unprecedented Z mini power[2]
Get a standard low-profile NVIDIA® GPU and an Intel© CPU for seamless design, rendering and simulation.

Fits anywhere
Create your ideal workspace in an office or at home. Mount the Z2 mini behind your monitor or under your desk.[3]

Engineered to Evolve with your workflow
The new slide-out design gives tool-free interior access so you can easily swap graphics, memory, and more.

Featuring

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

Intel® Core™ i9 processor
Get high-end performance for intensive tasks like rendering and video editing with the Intel® Core™ i9 processor. [6]

Graphics
Create 3D models with NVIDIA® T1000.

Multi-Display Support
See all your windows in perfect detail with support for up to 8 displays at 4K resolution [7]

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

Specifications

Form factor	Mini
Operating system	Windows 11 Pro
Processor family	Intel® Core™ i9 14th generation processor
Processor	Intel® Core™ i9-14900 (up to 5.4 GHz Max Turbo frequency, 36 MB L3 cache, 24 cores, 32 threads)[6,7]
Memory	64 GB DDR5-5600 MHz RAM (2 x 32 GB)
Memory Slots	2 SODIMM
Internal Storage	512 GB PCIe® Gen4 NVMe™ M.2 SSD
Graphics	Discrete
Graphics (discrete)	NVIDIA® T1000 (8 GB GDDR6 dedicated)
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics 770
Compatible displays	HP Z34C, Z40C, Z27Q G3, Z27K, and Z27XS G3 4k. All HP Z Displays and HP DreamColor Displays are supported. For more information see http://www.hp.com/go/zdisplays *(Supports 8 displays, driving 8 displays requires the use of integrated and discrete graphics ports. Each source can drive a total of 4 displays. At least one of the integrated graphics ports need to drive two displays in a daisy chain configuration.)*
Audio	Realtek ALC3205-VA2-CG, 2.0W internal mono speaker
Minimum dimensions (W x D x H)	21.1 x 21.8 x 6.9 cm *(Standard desktop orientation.)*
Minimum dimensions (W x D x H)	8.3 x 8.6 x 2.7 in *(Standard desktop orientation.)*
Weight	Starting at 2.4 kg *(Exact weight depends on configuration.)*
Weight	Starting at 5.29 lb *(Exact weight depends on configuration.)*
Ports	1 headphone/microphone combo; 1 SuperSpeed USB Type-A 10Gbps signaling rate (1 charging); 2 SuperSpeed USB Type-C® 20Gbps signaling rate
Expansion slots	2 M.2 2280 PCIe 4 x4; 1 M.2 2230 for WLAN; 1 PCIe® 4 x8 (PCIe Low Profile connector)
Ports	1 RJ-45; 2 DisplayPort™ 1.4; 3 SuperSpeed USB Type-A 10Gbps signaling rate
Package dimensions (W x D x H)	49.9 x 17.0 x 29.8 cm
Package weight	Starting at 4.8 kg
Wireless	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)
Power	280 W external power adapter, up to 90% efficiency, active PFC
Sustainable impact specifications	45% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk packaging available; 80 Plus® Gold power supplies available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and system fan; Contains recycled metal
Security management	HP Secure Erase; HP Sure Click; HP BIOSphere Gen6; HP Sure Admin; Hood Sensor Optional Kit; HP Client Security Manager Gen6; HP Sure Start Gen7; HP Sure Recover Gen4; HP Sure Sense Gen2; HP Sure Run Gen5[4,10,12,13,15,20,21,22,23]
Software included	HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP PC Hardware Diagnostics Windows; ZCentral Remote Boost; HP Image Assistant; HP Manageability Integration Kit; Performance Advisor 3.0[11,16,19,27]
UPC number	198701941217

Top Recommended Displays, Accessories and Services

Z Displays	
HP Z34c G3 WQHD Curved Display	30A19AA
HP Z27k G3 4K USB-C Display	1B9T0AA
HP Z24m G3 QHD Conferencing Display	4Q8N9AA

Messaging Footnotes

[2] Power based on HP Z mini max processor, graphics, and memory.

[3] Mounting hardware sold seperately.

[6] 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.

[7] Support for up to 8 displays requires Intel® HD graphics and a discrete graphics card.

Technical Specifications Footnotes

[4] HP Client Security Manager Gen6 requires Windows and is available on the select HP PCs.

[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.

[10] HP BIOSphere Gen6 features may vary depending on the platform and configurations.

[11] HP Support Assistant requires Windows and Internet access.

[12] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.

[13] HP Sure Start Gen 6 is available on select HP PCs and workstations. See product specifications for availability.

[15] HP Sure Run Gen3 is available on select Windows 11 based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors

[16] HP Performance Advisor Software - HP Performance Advisor is ready to help you get the most out of your HP Workstation from day one—and every day after. Learn more or download at: http://hp.com/PerformanceAdvisor

[19] HP ZCentral Remote Boost does not come preinstalled on Z Workstations but can be downloaded and run on all Z desktop and laptops without license purchase. With non-Z sender devices, purchase of perpetual individual license or perpetual floating license per simultaneously executing versions and purchase of ZCentral Remote Boost Software Support is required. RGS requires Windows, RHEL (7 or 8), UBUNTU 18.04 LTS, or HP ThinPro 7operating systems. MacOS (10.13 or newer) operating system is only supported on the receiver side. Requires network access. The software is available for download at hp.com/ZCentralRemoteBoost.

[20] HP Sure Recover Gen4 is available on select HP PCs and requires Windows 10 and an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. Network based recovery using Wi-Fi is only available on PCs with Intel Wi-Fi Module

[21] Secure Erase - For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane

[22] HP Sure Sense requires Windows 11 Pro or Enterprise and supports Microsoft Internet Explorer, Google Chrome™, and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.

[23] HP Sure Admin requires Windows 11, HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.

[27] HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html

© Copyright 2024 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel, Pentium, the Intel logo, Intel Core, Thunderbolt, vPro, Optane, and Core Inside are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. Bluetooth is a trademark of its proprietor, used by HP Inc. under license. USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum. Adobe PDF is a trademark of Adobe Systems Incorporated. ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. NVIDIA, the NVIDIA logo, Quadro, and GeForce are trademarks and/or registered trademarks of NVIDIA Corporation in the US. and other countries. Bluetooth is a trademark of its proprietor and used by HP Inc. under license. AMD and Radeon are trademarks of Advanced Micro Devices, Inc. All other trademarks are the property of their respective owners.