ProductSheet
# HP Z2 Mini G9 Workstation (B4UY0UA)

## 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.

**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

**Intel® Core™ i7 processor**
Run several CPU–heavy programs simultaneously without sacrificing performance with an Intel® Core™ i7 processor. [6]

**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.

**Network Connectivity**
Connect and collaborate quickly with 10Gb Ethernet interface.

**Thermal Management**
Innovatively designed to keep hardware components cool and quiet no matter how hard you push it. Have confidence to run your system at max load 24/7.

## Specifications

| | |
|---|---|
| **Form factor** | Mini |
| **Operating system** | Linux® Ready |
| **Processor family** | Intel® Core™ i7 14th generation processor |
| **Processor** | Intel® Core™ i7-14700 (up to 5.4 GHz with Intel® Turbo Boost Technology, 33 MB L3 cache, 20 cores, 28 threads)[6,7] |
| **Memory** | 32 GB DDR5-5600 MT/s (1 x 32 GB) |
| **Memory Slots** | 2 SODIMM |
| **Internal Storage** | 512 GB HP Z Turbo Drive PCIe® NVMe™ TLC M.2 SSD |
| **Graphics** | Discrete |
| **Graphics (discrete)** | NVIDIA RTX™ A2000 (12 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<br>*(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<br>*(Standard desktop orientation.)* |
| **Minimum dimensions (W x D x H)** | 8.3 x 8.6 x 2.7 in<br>*(Standard desktop orientation.)* |
| **Weight** | Starting at 2.4 kg<br>*(Exact weight depends on configuration.)* |
| **Weight** | Starting at 5.29 lb<br>*(Exact weight depends on configuration.)* |
| **Keyboard** | HP USB 320K Keyboard |
| **Pointing device** | HP Wired 320M Mouse |
| **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 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, non-vPro® |
| **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** | 198828988294 |

## Top Recommended Displays, Accessories and Services

| | |
|---|---|
| **Z Displays** | |
| HP Z27k G3 4K USB-C Display | 1B9T0AA |
| HP Z24m G3 QHD Conferencing Display | 4Q8N9AA |
| **Speakerphones** | |
| Poly Sync 20+ USB-C Speakerphone | 772D0AA |
| Poly Sync 20 USB-C Speakerphone | 7F0J7AA |
| Poly Sync 10 USB-A USB-C Speakerphone | 772C3AA |
| **Wireless Headset** | |
| Poly Voyager Focus 2 USB-C-C Headset +USB-C/A Adapter | 9T9J3AA |
| **Wired Headset** | |
| Poly Blackwire 8225 Stereo USB-C Headset +USB-C/A Adapter | 8X223AA |
| Poly Blackwire 5220 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter | 8X231AA |

## Messaging Footnotes

[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.

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[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

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