

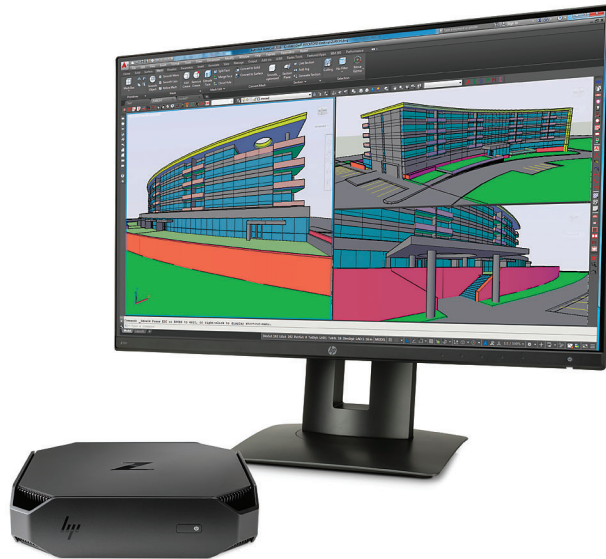
# HP Z2 Mini G3 Workstation



Finally a revolutionary mini PC for CAD that delivers breakthrough power and versatility in a small, elegant design. Made by and for design professionals, the Z2 Mini gives you both performance and reliability for the best CAD experience.

HP recommends Windows 10 Pro.

- Windows 10 Pro<sup>1</sup>
- Intel® Xeon® processor<sup>2</sup>



## Next-level power

Get server-grade power in a remarkably small device. Intel® Xeon® processors<sup>3</sup> and NVIDIA® Quadro® graphics keep up with the speed of your creativity.

## Designed for the workspace of the future

We packed workstation performance into a mini PC with a design that will turn heads. Our most flexible and most beautiful workstation ever—perfect for every office environment.

## Industry-leading reliability

Tech issues should never hold you back. The Z2 Mini is tested for 368,000 hours and certified for the most popular CAD software. Feel confident using a workstation influenced by over 30 years of engineering and backed by a 3-year standard limited warranty.

## Featuring:

- Support your unique user needs with a choice of Windows 10 Pro<sup>1</sup> or Linux® operating systems.
- Current and next generation Intel® Core™ and Intel® Xeon® processor<sup>3</sup> options for powerful workstation-class performance.
- Powerful M620 professional graphics from NVIDIA® for your more demanding 3D models.
- Reduce boot up, file loading, and response times by revolutionizing how your Z2 Mini handles large files with up to 1.5 TB<sup>4</sup> of storage with the optional HP Z Turbo Drive for a remarkably fast and innovative solution.
- At only 2.3" high and 90% smaller than a traditional business-class tower<sup>5</sup> the Z2 Mini fits into any office environment.
- Stylish and sleek. It's what a CAD PC should be.
- Can be placed on a desk or mounted under a desk, and is designed for VESA® mounting to HP Z Displays, 3rd party mounts.<sup>6</sup>
- The Z2 Mini supports up to six displays - four native displays and two additional with daisy chaining.
- Easily upgradeable and serviceable with tool-free access to internal components.
- With integrated wireless LAN<sup>8</sup>/BT, the Z2 Mini can work remotely, from the conference room to the home office.
- Get advanced BIOS security with HP SureStart. Dual-purpose Kensington lock slot provides chassis and unit security.<sup>7</sup>
- Supports USB Type-C™<sup>9</sup> for customers demanding the latest in universal ports. If you're operating industrial equipment or running legacy peripherals, the Z2 mini has an optional serial port.<sup>9</sup>

## HP Z2 Mini G3 Workstation Specifications Table



|                                     |  |
|-------------------------------------|--|
| <b>Operating System</b>             | Windows 10 Pro 64 <sup>1</sup><br>Windows 10 Pro (National Academic License) <sup>1</sup><br>Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro)<br><sup>2</sup> HP Linux®-ready  |
| <b>Processor Family</b>             | 7th Generation Intel® Xeon® processor (E3-1245 v6, E3-1225 v6, E3-1205 v6 models); 7th Generation Intel® Core™ i7 processor (i7-7700 model); 7th Generation Intel® Core™ i5 processor (i5-7500 model); 7th Generation Intel® Core™ i3 processor (i3-7100 model); 6th Generation Intel® Xeon® processor; 6th Generation Intel® Core™ i7 processor; 6th Generation Intel® Core™ i5 processor; 6th Generation Intel® Core™ i3 processor <sup>3</sup>  |
| <b>Processors<sup>3</sup></b>       | Intel® Xeon® E3-1245 v6 with Intel® HD Graphics P630 (3.7 GHz, up to 4.1 GHz with Intel® Turbo Boost Technology 2.0, 8 MB cache, 4 cores)(Performance model only) Intel® Xeon® E3-1225 v6 with Intel® HD Graphics P630 (3.3 GHz, up to 3.7 GHz with Intel® Turbo Boost Technology 2.0, 8 MB cache, 4 cores)(Performance model only) Intel® Xeon® E3-1205 v6 with Intel® HD Graphics P630 (3 GHz, 8 MB cache, 4 cores)<br>Intel® Xeon® E3-1245 v5 with Intel® HD Graphics P530 (3.5 GHz, up to 3.9 GHz with Intel® Turbo Boost Technology 2.0, 8 MB cache, 4 cores)(Performance model only) Intel® Xeon® E3-1225 v5 with Intel® HD Graphics P530 (3.3 GHz, up to 3.7 GHz with Intel® Turbo Boost Technology 2.0, 8 MB cache, 4 cores)(Performance model only) Intel® Core™ i7-7700 with Intel® HD Graphics 630 (3.6 GHz, up to 4.2 GHz with Intel® Turbo Boost Technology 2.0, 8 MB cache, 4 cores)<br>Intel® Core™ i7-6700 with Intel HD Graphics 530 (3.4 GHz, up to 4 GHz with Intel Turbo Boost, 8 MB cache, 4 cores)<br>Intel® Core™ i5-7500 with Intel® HD Graphics 630 (3.4 GHz, up to 3.8 GHz with Intel® Turbo Boost Technology 2.0, 6 MB cache, 4 cores)<br>Intel® Core™ i5-6500 with Intel HD Graphics 530 (3.2 GHz, up to 3.6 GHz with Intel Turbo Boost, 6 MB cache, 4 cores)<br>Intel® Core™ i3-7100 with Intel® HD Graphics 630 (3.9 GHz, 3 MB cache, 2 cores)<br>Intel® Core™ i3-6100 with Intel HD Graphics 530 (3.7 GHz, 3 MB cache, 2 cores) |
| <b>Chipset</b>                      | Intel® C236  |
| <b>Maximum Memory</b>               | 32 GB DDR4-2400 ECC or non-ECC SDRAM<br>(Transfer rates up to 2400 MT/s for systems with less than 32 MB. Transfer rates up to 2133 MT/s for systems with greater than 32 MB. Non-ECC memory only available with Intel® Core™ processors. ECC memory only available with Intel® Xeon® processors.)   |
| <b>Memory Slots</b>                 | 2 SODIMM   |
| <b>Internal Storage</b>             | 500 GB up to 1 TB SATA (7200 rpm) <sup>4</sup><br>256 GB SATA SSD <sup>4</sup><br>256 GB HP Z Turbo Drive G2 (PCIe TLC SSD) <sup>4</sup><br>1 TB HP Z Turbo Drive G2 (PCIe SSD) <sup>4</sup>   |
| <b>Optical Storage</b>              | Ultra-slim external DVD-RW drive (optional) <sup>5</sup>   |
| <b>Drive Bays (Internal)</b>        | One 2.5"   |
| <b>Available Graphics</b>           | Integrated: Intel® HD Graphics P630; Intel® HD Graphics 630; Intel® HD Graphics 530; Intel® HD Graphics P530 (Performance model only) <sup>6</sup><br>Discrete: NVIDIA® Quadro® M620 (2 GB) (Performance model only) <sup>10</sup><br>(Intermixing integrated Intel HD graphics and discrete graphics cards in order to drive more than four displays can be enabled using the Computer (F10) Setup Utility.)  |
| <b>Expansion Slots</b>              | 1 M.2 PCIe Gen3 x1   |
| <b>Ports and Connectors</b>         | Side: 2 USB 3.0 (1 charging); 1 line in<br>Back: 2 USB 3.0; 2 USB 3.1 Gen 1 Type-C™ (Performance model only); 1 RJ-45; 3 DisplayPort 1.2; 1 audio line in  |
| <b>Networking</b>                   | LAN: Integrated Intel® i219LM PCIe Gigabit controller<br>WLAN: Intel® 8265 802.11 ac wireless with Bluetooth® 4.2 (optional)   |
| <b>Audio</b>                        | Integrated Realtek HD ALC221-VB audio  |
| <b>Input Device</b>                 | HP USB CCID SmartCard Keyboard; HP USB Business Slim Keyboard; HP Wireless Business Slim Keyboard; <sup>7</sup> ; HP USB 1000 dpi Laser Mouse; HP USB Optical Mouse; <sup>7</sup>  |
| <b>Power</b>                        | 135 W 89% efficient, wide-ranging, active PFC (external); 200 W 89% efficient, wide-ranging, active PFC (external)   |
| <b>Security</b>                     | HP 10 mm Keyed Cable Lock (optional) <sup>7</sup>  |
| <b>Software</b>                     | HP Performance Advisor; HP Remote Graphics Software (RGS) 7.1; HP PC Hardware Diagnostics UEFI; HP Client Security Software <sup>8</sup>   |
| <b>Dimensions (W x D x H)</b>       | 8.5 x 8.5 x 2.28 in<br>216 x 216 x 58 mm<br>(Standard desktop orientation)   |
| <b>Weight</b>                       | Starting at 4.5 lb<br>Starting at 2.04 kg<br>(Exact weight depends on configuration)   |
| <b>Energy Efficiency Compliance</b> | ENERGY STAR® certified configurations available  |
| <b>Compatible Displays</b>          | All HP Z Displays and HP DreamColor Displays are supported. For more information see <a href="http://www.hp.com/go/zdisplays">www.hp.com/go/zdisplays</a> .  |

## Accessories and Services (not included)

**HP Z27s 27-inch IPS UHD Display**

Join the Ultra High Definition movement and expand your visual workspace with the HP Z27s 27-inch IPS UHD Display, which delivers an extra-large screen with UHD/4K<sup>1</sup> presentation and flexible connectivity and comfort features.

**Product number: J3G07A8**

**HP Z Turbo Drive G2 256GB TLC**

Reduce boot up, calculation, and graphics response times and revolutionize how your HP Z Workstation handles large files with the HP Z Turbo Drive G2 TLC SSD, a remarkably affordable and innovative PCIe-based NVMe memory SSD storage solution.

**Product number: Y7B60AA**

**Z2 Mini Arm/Wall VESA Mount Solution**

Deter tampering and maximize your available workspace with the HP Z2 Mini Arm/Wall VESA Mount Solution, which encloses your HP Z2 Mini in an elegant metal sleeve for easy mounting behind a display, on a wall or under a desk.

**Product number: Y7B61AA**

**3Dconnexion CadMouse**

Simplify scroll, click, and zoom functions and comfortably drive your CAD projects with the 3Dconnexion CADMouse.

**Product number: M5C35AA**

**HP 5 year Next Business Day Onsite with Defective Media Retention Pack**

When hardware issues come up, the sooner you can get running again, the better. Have expertise at the ready with HP Hardware Next Business Day Onsite Service with Defective Media Retention, and vastly improve your product uptime. With high-quality remote assistance or convenient onsite support available the next business day, help is there when you need it—so you can get back to work.

**Product number: U1G57E**

## Messaging Footnotes

<sup>1</sup> 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>

<sup>2</sup> 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 is not a measurement of higher performance.

<sup>3</sup> 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.

<sup>4</sup> For storage drives GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB is reserved for system recovery software.

<sup>5</sup> Mounting hardware sold separately.

<sup>6</sup> WLAN/BT is an optional feature. Wireless access point and internet service required. Availability of public wireless access points limited.

<sup>7</sup> Cable and lock sold separately.

<sup>8</sup> USB Type-C™ is standard on the Z2 Mini Performance Base Unit.

<sup>9</sup> Optional features sold separately or as add on features.

## Technical Specifications Footnotes

<sup>1</sup> 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>

<sup>2</sup> This system is preinstalled with Windows 7 Professional software and also comes with a license and media for Windows 10 Pro software. 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.

<sup>3</sup> 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 is not a measurement of higher performance.

<sup>4</sup> For hard drives and solid state drives, 1 GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB of system disk is reserved for system recovery software.

<sup>5</sup> Actual speeds may vary. Does not permit copying of commercially available DVD movies or other copyright protected materials. Intended for creation and storage of your original material and other lawful uses. Note that DVD-RAM cannot read or write to 2.6 GB Single Sided/5.2 GB Double Sided – Version 1.0 media.

<sup>6</sup> HD content required to view HD images.

<sup>7</sup> Sold separately or as an optional feature.

<sup>8</sup> HP Performance Advisor and HP Remote Graphics Software requires internet access.

<sup>9</sup> Wireless card is optional, requires factory configuration and requires separately purchased wireless access point and internet service. Availability of public wireless access points limited.

<sup>10</sup> Optional, factory configuration required.

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