HP Z2 Tower G5 Workstation



Our most powerful entry workstation that redefines expectations.

We've engineered a whole new level of performance for entry workstations, so you can cut through BIM, rendering and visualization projects without missing a beat. And when your demands change, you have impressive expandability to upgrade.



HP recommends Windows 10 Pro for business

Your new benchmark for entry workstation power.

• Unleash the full power of NVIDIA[®] Quadro RTX[™] 6000 graphics and 10-core processing on your compute-heavy workloads. We've designed the system for zero throttling, so your components always run at top speeds without ever overheating or slowing down.

Built to expand. Power to grow.

Need to upgrade graphics cards? Increase memory or storage? Add specialized PCIe cards? Go for it. Our most expandable entry workstation is an investment that will last for years.

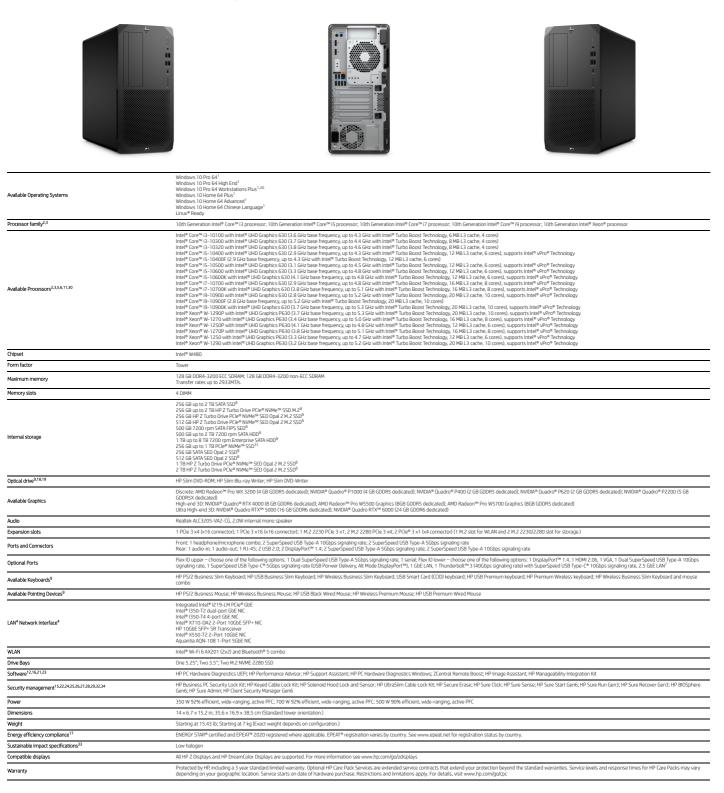
We test it so you can trust it. 24/7.

You need performance you can rely on. That's why our products endure over 360K hours of rigorous testing, MIL-STD testing¹ and software certifications. Paired with an Intel[®] Xeon[®] processor² and ECC memory, our Z2 is built for tough workloads.

HP's most secure workstation.

- Advanced security features come standard on every Z2 Tower. System safeguards like self-healing BIOS help lock your device, data and identity down tight.
- Support your unique user needs with a choice of Windows 10 Pro 64 or Linux[®] operating systems.³
- Get powerful performance on single and multi-threaded applications with the latest generation 10-core Intel[®] Xeon[®] and Intel[®] Core[™] processors.²
- Maximize your 3D workflow with support for multiple NVIDIA® and AMD professional graphics from Entry to Ultra 3D.
- Wish support for NVIDIA Quadro® RTX 6000, you get optimized performance in visualization $^{\rm 4}$
- Centralize your workstation fleet and power a remote workforce with HP ZCentral, a complete hardware and software solution.⁵
- Save space within your office layout with a 15% smaller system than the previous generation
- Configure to the needs today and adapt to the future. Options include DP 1.4, VGA, HDMI, Dual USB Type-A, USB Type-C[®] with Alt-DP or 2nd Serial, and more.⁶
- Get multiple high-speed network connections including a second LAN option.⁴
- Multiple PSU options, including the high end 700W PSU, enable increasing need for GPU even with the highest power CPUs and rich configurations.⁸
- With optional self-encryption drives, you have confidence knowing that if your storage device falls into the wrong hands, your valuable IP cannot be accessed.⁴

HP Z2 Tower G5 Workstation Specifications Table



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Messaging Footnotes

¹ Undergoes MIL-STD testing, MIL-STD testing is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions, Accidental damage requires an optional HP Accidental Damage Protection Care Service.

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.

³ 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.

⁴ Sold separately or as an optional feature. ⁵ HP ZCentral Connect Software requires purchase of a perpetual floating license per simultaneous connection and purchase of 1 year ZCentral Connect Software Support Service and requires download at hp.com/ZCentral. Requires HP ZCentral Remote Boost Software which can be downloaded at hp.com/ZCentralRemoteBoost, a Windows 10, Windows Server 2016 or newer operating system, Microsoft Active Directory and Intel Active Management Technology for select features

⁶ Flexible I/O needs to be configured at time of purchase.

⁸ Optional feature that must be configured at purchase

Technical Specifications Footnotes

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 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 applications

workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance. ³ Intel Core i9-10900F, Intel Core i5-10400F, Intel Core i3-10320, Intel Core i3-10300, Intel Xeon W-1270P, Intel Xeon W-1290 available in first quarter of 2021.

⁴ Intel I350-T4 4-port GbE NIC is an AMO only

⁵ For full Intel® VPro^m functionality. Windows 10 Pro 64 bit, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or WLAN card and TPM 2.0 are required. Some functionality requires additional 3rd party software in order to run. See http://intel.com/vpro

⁶ Intel Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost for more information. ⁷ Flex IO port will be occupied when Thunderbolt is installed

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

⁹ Reyboard and Mouse are optional or add on features. The HP Antimicrobial Keyboard and HP Antimicrobial Mouse are only available in China.
¹¹ Intel[®] HD graphics 630 is configurable as a standalone graphics option; Intel[®] HD graphics P630 only used when NVIDIA[®] Optimus[™] Technology is enabled

¹² 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.
 ¹⁵ HP Client Security Manager Gen6 requires Windows and is available on the select HP PCs.
 ¹⁶ HP Performance Advisor Software - HP Performance Advisor is ready and waiting to help you get the most out of your HP Workstation from day one—and every day after. Learn more or download at at:

https://www8.hp.com/us/en/workstations/performance-advisor.html ¹⁷ Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.

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 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. 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. ²¹ HP Support Assistant requires Windows and Internet access.

²² HP BIOSphere Gen6 features may vary depending on the platform and configurations.
²³ HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html

²⁴HP Client Security Manager Gen6 requires Windows and is available on the select HP PCs.
²⁵ HP Sure Click requires Windows 10 Pro or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details

²⁶ HP Sure Start Gen 6 is available on select HP PCs and workstations. See product specifications for availability.
 ²⁷ HP Sure Run Gen3 is available on select Windows 10 based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors
 ²⁸ HP Sure Recover Gen3 is available on select HP PCs and requires an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.
 ²⁹ HP Sure Recover Gen3 is available on select HP PCs and requires an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.

²⁹ 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 ³⁰ Configurations with the Xeon W-1250P and W-1290P offered on the performance model (125W motherboard) only. ³¹ 256 GB up to 1TB PCIe NVMe SSD not available until November 2020 and require configuration at the factory.

32 HP Sure Sense requires Windows 10 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.

³³ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
³⁴ HP Sure Admin requires Windows 10, 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.

Sign up for updates hp.com/go/getupdated

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