



HP Z2 Mini

HP's first mini workstation designed for CAD users

Windows 10 Pro means business.

CAD users use aggressive applications that require computing resources beyond that of the consumer PC's many of us are forced to use. Underpowered, oversized and noisy describes many of the consumer PC's that occupy too much space on millions of CAD users' desktops.

HP's new Z2 Mini brings workstation punch in a package size 10x smaller than the HP EliteDesk 800 G2 tower, elegantly styled, cool, quiet and easy to deploy.



Game-changing performance

Designed to deliver workstation performance for mainstream CAD users, the HP Z2 Mini Workstation provides an ideal balance of high speed processors, up to 32 GB RAM (2X many desktops), storage and superior graphics performance (3X other mini machines) options in an ultra-small, quiet package that can be mounted behind a monitor, under a desk or even thrown into your briefcase for trips to remote offices. In short, the HP Z2 Mini Workstation is a game changing machine that provides no compromise CAD performance in a radically small package.

 Windows 10 Pro



The HP Z2 Mini provides workstation power in a router sized package.

4.0 GHz Processing and Peripheral Power

Before talking about the advantages of the Z2 Mini's small size lets establish the fact that this is a workstation not a toy. A quick summary of the Z2 Mini's internals read like industry leading mid-size tower workstations.

Processor: Delivering high clock rate quad core processing via a variety of Intel® Core™ and Xeon® processors (including the 4.0 GHz Intel® Core™ i7 6700), the HP Z2 Mini is an ideal platform for applications like Inventor, Revit and AutoCAD that perform the bulk of their work on a single core. The Z2 Mini's emphasis on high clock rate single processors¹ delivers excellent price to performance ratios for these CAD applications at a very reasonable starting price point of \$699 USD.

Windows 10 Pro means business: Windows 10 Pro devices provide you the powerful essentials you need for your business PCs - more security features, enhanced control, and robust and innovative devices – and to stretch your resources to get more done.

RAM: Offering up to 32 GB of RAM^{2,3} the HP Z2 Mini Workstation provides plenty of memory for even aggressive 3D model editing encountered by many Autodesk Revit users or large point cloud data sets used by AutoCAD or Civil 3D.

Drives: To reduce boot up times, speed disk reads/writes and buffer large CAD assemblies/models the HP Z2 Mini Workstation can support the 512 GB NVMe based HP Z Turbo Drive G2 via a motherboard installed module. The optional Z TurboDrive G2 solid state drive (SSD) delivers up to 4x the speed of conventional SSD drives leading to notably better disk performance for large data set applications like CAD. In addition to the SSD an optional 1 TB hard drive can also be installed to expand storage capability⁵.

Graphics options: To deliver glitch free, certified graphics performance for Autodesk users the HP Z2 Mini Workstation utilizes the new NVIDIA® Quadro® M620 GFX graphics subsystem. Equipped with 2 GB of graphics memory, the M620 delivers 3.3x the graphics performance of a business-class mini.⁶ Supporting up to 4K video resolutions via

Helpful links

hp.com/go/AEC
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hp.com/go/z2mini

the Z2 Mini's 3 DisplayPort connectors there is plenty of graphics power for CAD usage picture so you can compute your cost justification.

Multiple monitors: For CAD users who desire a multiple monitor working environment the HP Z2 Mini Workstation supports up to 4 DisplayPort devices via its rear panel or up to 6⁶ devices using DisplayPort daisy chaining connectors.

Expansion and mounting options

All expansion and connectivity ports are accessed at the rear face of the Z2 Mini's chassis. In addition to the power input and DisplayPort connectors (previously mentioned) a variety of USB ports, an RJ45 1 Gbit LAN connector and security slot are provided.



The Z2 Mini's rear panel can be reconfigured to eliminate access to USB ports in security sensitive environments.

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The Z2 Mini's small size lends itself perfectly to mounting at any angle on monitor stands or arm mounts using a VESA standard bolt mounting pattern.⁷ With the wireless keyboard and remote power-on proximity to the user is of no concern so workspaces stay clean and wire free even in multiple monitor

working environments. And if you're visiting another office where a spare monitor is available the Z2 Mini's size lends itself perfectly to being thrown in a briefcase and taken along.

HP Design and reliability

While the design aesthetic of the HP Z2 Mini Workstation yields a sleek look and small form factor on the outside the traditional HP commitment to reliability and performance is alive and well on the inside. The HP Z2 Mini Workstation has been rigorously evaluated to achieve stable performance via robust cooling, quiet operation and certified graphics performance through with over 380,000 hours of application testing backed by HP's 3 Year Limited Warranty. Like other HP Workstations, the HP Z2 Mini employs a tool-free chassis design for easy maintenance, includes HP Performance Advisor software for system optimization and driver maintenance, and comes standard with HP Remote Graphics Software for remotely accessing and sharing your HP Z Workstation. And when it comes to software support the HP Z2 Mini Workstation is ISV certified to deliver a complete technology solution. As a result, HP Z Workstations deliver an enhanced user experience free of the driver and graphics compatibility issues that are often encountered with uncertified consumer computers. Find out more about certified HP Z Workstations at hp.com/go/isv.

1. 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.
2. Intel® Xeon® and Intel Pentium processors can support either ECC or non-ECC memory. Intel® Core™ i5/i7 processors only support non-ECC memory.
3. Each processor supports 2 (Intel® Core™) or 4 (Intel® Xeon®) channels of DDR4 memory. To realize full performance at least 1 DIMM must be inserted into each channel. Actual memory speeds dependent on processor capability.
4. For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows 10) of system disk is reserved for system recovery software.
5. Based on business-class towers with >1 million units annually as of October 3, 2016 with performance measured by processor clock speed and ViewPerf12 rating, having 4th or 6th Gen Intel processors or AMD Pro processors, integrated VESA mount, VGA, 6 USB Ports, Windows Pro OS and TPM. 7
6. 6 display functionality delivered via the combination of NVIDIA® Quadro® M620 graphics and Intel® HD 530 or P530 graphics. 6 display support only available on the Z2 Mini Performance base unit.
7. Mounting hardware sold separately or as an optional feature. 3rd party displays must have a 100mm x 100mm VESA hole pattern to be compatible.

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