

HP Z2 Mini G4 Workstation (8JF48UT)



Transform your workspace with our most powerful mini desktop

Get high-end performance packed into an insanely small and versatile device. Take on 3D design projects and work in multiple pro apps with ease. And with the flexibility to be placed almost anywhere, it's the obvious choice for the modern workplace.



HP recommends Windows 10 Pro.

Ramp up your performance

Speed up 3D responsiveness and cut render times with high-performance Intel® processors and graphics. Don't worry about overheating this tiny machine—our industry-leading thermal design keeps everything running cool, quiet and efficient.

The perfect fit, anywhere.

Create the ideal setup with this flexible device—from the office to the shop floor to the data center. Mount under a desk, behind a display or in a rack.[1] Then connect to multiple displays and other external hardware with plenty of I/O ports.

Safeguard your data. Protect your privacy.

Advanced security features come standard on every Z2 Mini. System safeguards like HP Client Security Suite Gen3[2] and HP Sure Start Gen4[3] - the industry's first self-healing BIOS - mean your device is locked down tight, so your data and identity are too.

Featuring

Windows 10 Pro 64

Work without compromising on performance or security with Windows 10 Pro, powered by HP's collaboration and connectivity technology.

Intel® Core™ i7 processor

Run several CPU-heavy programs simultaneously without sacrificing performance with an Intel® Core™ i7 processor. [4]

NVIDIA® Quadro® P600 graphics card

Get stable, reliable performance on professional workflows that require you to create complex 2D and 3D models with NVIDIA® Quadro® P600 graphics.

Specifications

Operating system	Windows 10 Pro 64
Processor family	9th Generation Intel® Core™ i7 processor
Processor	Intel® Core™ i7-9700 with Intel® UHD Graphics 630 (3.0 GHz base frequency, up to 4.7 GHz with Intel® Turbo Boost Technology, 12 MB cache, 8 cores) ^[6,7]
Chipset	Intel® C246
Memory	8 GB DDR4-2666 ECC SDRAM (1 x 8 GB)
Memory Slots	2 SODIMM
Internal Storage	256 GB PCIe® NVMe™ SSD
Internal drive bays	One 2.5"; M.2 NVME 2280 SSD
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics 630
Compatible displays	All HP Z Displays and HP DreamColor Displays are supported. For more information see www.hp.com/go/zdisplays
Minimum dimensions (W x D x H)	21.6 x 21.6 x 5.8 cm (Standard desktop orientation.)
Minimum dimensions (W x D x H)	8.5 x 8.5 x 2.28 in (Standard desktop orientation.)
Weight	Starting at 2.04 kg (Exact weight depends on configuration.)
Weight	Starting at 4.5 lb (Exact weight depends on configuration.)
Keyboard	HP USB Business Slim Keyboard
Pointing device	HP USB Optical Mouse
Ports	1 headphone/microphone combo; 2 USB 3.0 (1 charging); 1 USB 3.1 Gen 2 Type-C™ (charging) ^[9] (The Intel® Core™ X-Series processor configurations only have one RJ45 port available. The serial port is optional.)
Expansion slots	1 M.2 PCIe 3 x1
Ports	1 RJ-45; 2 DisplayPort™ 1.2; 2 USB 3.0
Ports	Flex I/O
Network interface	Intel® Dual Band Wireless-AC 9560 802.11ac (2x2) and Bluetooth® 5 M.2, non-vPro™
Power	200 W external power adapter, up to 85% efficiency, active PFC ^[23]
Environmental	Low halogen
Security management	HP Keyed Cable Lock Kit; HP Client Security Suite Gen 4; HP Sure Start Gen 4; HP Sure Run; HP Sure Click; HP BIOSphere Gen4 ^[9,26,28,29,30,31]

Accessories and services

No Recommended Accessories and Services

Messaging Footnotes

[1] Mounting hardware sold separately.

[2] Requires Windows and Intel® or AMD 7th or 8th generation processors.

[3] HP Sure Start Gen4 is available on HP Elite and HP Workstation products equipped with 8th generation Intel® or AMD processors.

[4] HP Manageability Integration Kit Gen2 can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>.

[4] 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.

Technical Specifications Footnotes

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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.

[9] Optional or add-on feature

[23] 200W Power Supply and 230 W external power adapter in Performance Model only.

[26] HP BIOSphere Gen4 features may vary depending on the PC platform and configurations requires 8th Gen Intel® processors.

[28] HP Client Security Suite Gen 4 requires Windows and Intel® or AMD 8th generation processors.

[29] HP Sure Click is available on select HP platforms and supports Microsoft® Internet Explorer and Chromium™. Check <http://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-0922ENW> for all compatible platforms as they become available.

[30] HP Sure Start Gen4 is available on HP Workstation products equipped with Intel® 8th generation processors.

[31] HP Sure Run is available on HP Workstation products equipped with 8th generation Intel® or AMD® processors.

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