

## HP Z2 Mini G4 Workstation (7ZE13UT)



### 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.

## Specifications

<b>Operating system</b>	Windows 10 Pro 64
<b>Processor family</b>	9th Generation Intel® Core™ i5 processor
<b>Processor</b>	Intel® Core™ i5-9500 with Intel® UHD Graphics 630 (3.0 GHz base frequency, up to 4.4 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores) <sup>[6,7]</sup>
<b>Chipset</b>	Intel® C246
<b>Memory</b>	8 GB DDR4-2666 ECC SDRAM (1 x 8 GB)
<b>Memory Slots</b>	2 SODIMM
<b>Internal Storage</b>	256 GB PCIe® NVMe™ SSD
<b>Internal drive bays</b>	One 2.5"; M.2 NVME 2280 SSD
<b>Graphics</b>	Integrated
<b>Graphics (integrated)</b>	Intel® UHD Graphics 630
<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>
<b>Minimum dimensions (W x D x H)</b>	21.6 x 21.6 x 5.8 cm (Standard desktop orientation.)
<b>Minimum dimensions (W x D x H)</b>	8.5 x 8.5 x 2.28 in (Standard desktop orientation.)
<b>Weight</b>	Starting at 2.04 kg (Exact weight depends on configuration.)
<b>Weight</b>	Starting at 4.5 lb (Exact weight depends on configuration.)
<b>Keyboard</b>	HP USB Business Slim Keyboard
<b>Pointing device</b>	HP USB Optical Mouse
<b>Ports</b>	1 headphone/microphone combo; 2 USB 3.0 (1 charging); 1 USB 3.1 Gen 2 Type-C™ (charging) <sup>[9]</sup> (The Intel® Core™ X-Series processor configurations only have one RJ45 port available. The serial port is optional.)
<b>Expansion slots</b>	1 M.2 PCIe 3 x1
<b>Ports</b>	1 RJ-45; 2 DisplayPort™ 1.2; 2 USB 3.0
<b>Ports</b>	Flex I/O
<b>Network interface</b>	Intel® Dual Band Wireless-AC 9560 802.11ac (2x2) and Bluetooth® 5 M.2, non-vPro™
<b>Power</b>	200 W external power adapter, up to 85% efficiency, active PFC <sup>[23]</sup>
<b>Environmental</b>	Low halogen
<b>Security management</b>	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 <sup>[9,26,28,29,30,31]</sup>

## 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.

## Technical Specifications Footnotes

[6] 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, branding and/or naming is not a measurement of higher performance.

[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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