



# HP Z240 Small Form Factor Workstation

The world's number one ranked entry level workstations features a choice of Tower or SFF configurations.<sup>4</sup> It just got better with the HP Z240 which packs the performance, features, and reliability of a workstation into the price point of a desktop PC.



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

## Powered to manage your challenges

Powerful processors, graphics, memory, and two optional ultra-fast HP Z Turbo Drives<sup>3</sup> make the HP Z240 a true workstation-class solution. Handle your growing and complex workloads with performance for any stage in your work process.

## The workstation that fits your workspace

Take back your workspace. At 57 percent smaller than the tower, the HP Z240 SFF conserves space and maintains workstation performance. And with HP's no compromise reliability, your HP Z240 is designed to work today and well into the future.

## Priced for your budget

HP's most affordable workstation allows you to customize your experience while still balancing your IT budget. HP reliability, thorough testing, and ISV certification means your HP Z240 is designed as a long-term budget friendly solution.

## Featuring

- Support your unique user needs with a choice of Windows 10 Pro<sup>1</sup> or Linux® operating systems.
- Get more performance, expandability and flexibility in the chassis the world loves.
- Achieve the performance you need with your choice of next generation Intel® Xeon® processors or Intel® Core™ processors.<sup>2</sup>
- Handle large files, reduce work time and increase performance with the optional HP Z Turbo Drive.<sup>3</sup>
- Up to 64 GB DDR4 ECC memory helps provide no compromise capacity, performance, and reliability.
- Ignite productivity with NVIDIA® professional graphics cards in 2D or 3D.<sup>3</sup>
- Help internal components stay clean and cool with a removable and cleanable dust filter.
- Charge your device using the fast charging front USB port.
- Choose the power supply that fits your needs with up to 92% efficiency.<sup>3</sup>

# HP Z240 Small Form Factor Workstation Specifications Table



|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form Factor</b>                | Small Form Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Operating System</b>           | Windows 10 Pro 64 <sup>1</sup><br>Windows 10 Home 64 <sup>1</sup><br>Windows 7 Professional 64 <sup>1</sup><br>Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro 64) <sup>2</sup><br>HP Linux-ready                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Processor Family</b>           | Intel® Xeon® E3 processor; Intel® Core™ i7 processor; Intel® Core™ i5 processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Processors</b> <sup>3,11</sup> | Intel® Xeon® E3-1280 v5 (3.7 GHz, up to 4 GHz with Intel Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Xeon® E3-1270 v5 (3.6 GHz, up to 4 GHz with Intel Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Xeon® E3-1245 v5 with Intel HD Graphics P530 (3.5 GHz, up to 3.9 GHz with Intel Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Xeon® E3-1240 v5 (3.5 GHz, up to 3.9 GHz with Intel Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Xeon® E3-1230 v5 (3.4 GHz, up to 3.8 GHz with Intel Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Xeon® E3-1225 v5 with Intel HD Graphics P530 (3.3 GHz, up to 3.7 GHz with Intel Turbo Boost Technology, 8 MB cache, 4 cores); 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); Intel® Core™ i5-6600 with Intel HD Graphics 530 (3.3 GHz, up to 3.9 GHz with Intel Turbo Boost, 6 MB cache, 4 cores); 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) |
| <b>Chipset</b>                    | Intel® C236                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Maximum Memory</b>             | 64 GB DDR4-2133 Unbuffered SDRAM<br>(Transfer rates up to 2133 MT/s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Memory Slots</b>               | 4 UDIMM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Drive Controllers</b>          | Integrated SATA (4 ports 6 Gb/s) with RAID 0 (striped array) and RAID 1 (mirrored array) supported on Windows operating system only. Requires identical hard drives (speeds, capacity, interface). Integrated RAID 0, 1 (data configuration) for PCIe SSDs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Internal Storage</b>           | 500 GB up to 3 TB SATA (7200 rpm) <sup>4</sup><br>500 GB SATA SED <sup>4</sup><br>128 GB up to 1 TB SATA SSD <sup>4</sup><br>256 GB SATA SED SSD <sup>4</sup><br>1 TB SATA SSHD <sup>4</sup><br>128 GB up to 512 GB HP Z Turbo Drive G2 (NVMe PCIe SSD) <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Optical Storage</b>            | HP Slim DVD-ROM Drive; HP Slim SuperMulti DVD-RW Drive; HP Slim Blu-ray Writer <sup>5</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Additional Storage</b>         | SD media card reader (optional)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Available Graphics</b>         | Integrated: Intel® HD Graphics 530; Intel® HD Graphics P530 <sup>6</sup><br>Professional 2D: NVIDIA® NVS™ 310 (1 MB); NVIDIA® NVS™ 315 (1 GB); NVIDIA® NVS™ 510 (2 GB)<br>Entry 3D: AMD FirePro™ W2100 (2 GB); NVIDIA® Quadro® K420 (2 GB); NVIDIA® Quadro® K620 (2 GB)<br>Mid-range 3D: NVIDIA® Quadro® K1200 (4 GB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Audio</b>                      | Integrated Realtek HD ALC221-VB audio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Networking</b>                 | LAN: Integrated Intel® I219LM PCIe GbE; Intel® Ethernet I210-T1 PCIe NIC (optional)<br>WLAN: Intel® 8260 802.11a/b/g/n/ac PCIe wireless NIC (optional)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Expansion Slots</b>            | 1 PCIe Gen3 x16; 2 PCIe Gen3 x1 (x1 connector); 1 PCIe Gen3 x4 (x16 connector)<br>(All slots are low profile)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Ports and Connectors</b>       | Front: 2 USB 3.0; 2 USB 2.0 (1 charging); 1 headphone; 1 microphone/headphone<br>Back: 6 USB 3.0; 3 DisplayPort 1.2; 1 serial; 2 PS/2; 1 RJ-45; 1 audio line-in; 1 audio line-out<br>Internal: 1 USB 3.0; 2 USB 2.0<br>(1 USB 3.0 and 2 USB 2.0 ports available as 2 separate 2x10(3.0 x1, 2.0 x1) and 1x6(2.0 x1) header. Supports one HP Internal USB 2.0 Port Kit and one USB 3.0 media card reader.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Drive Bays (Internal)</b>        | One 3.5"; One 2.5"; One shared 3.5" (shared with external 3.5" bay)                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Drive Bays (External)</b>        | One shared 3.5" (shared with internal 3.5" bay); One slim ODD                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Input Device</b>                 | HP Wireless Business Slim Keyboard; HP USB CCID SmartCard Keyboard; HP USB Business Slim Keyboard; HP PS/2 Business Slim Keyboard <sup>8</sup><br>HP USB 1000 dpi Laser Mouse; HP USB Optical 3-Button Mouse; HP USB Optical Mouse; HP PS/2 Mouse; 3Dconnexion CADMouse <sup>8</sup>                                                                                                                                                            |
| <b>Software</b>                     | HP Performance Advisor; HP Remote Graphics Software (RGS) 7.1; PDF Complete - Corporate Edition; Cyberlink Power DVD and Power2Go; HP PC Hardware Diagnostics UEFI; HP Client Security Software; Buy Office                                                                                                                                                                                                                                     |
| <b>Security</b>                     | HP Solenoid Lock and Hood Sensor (optional); HP Business PC Security Lock kit (optional); HP UltraSlim Cable Lock Kit (optional)                                                                                                                                                                                                                                                                                                                |
| <b>Power</b>                        | 240 W 92% efficient, wide-ranging, active PFC; 200 W 85% efficient, wide-ranging, active PFC                                                                                                                                                                                                                                                                                                                                                    |
| <b>Dimensions</b>                   | 13.3 x 15 x 3.95 in<br>338 x 381 x 100 mm<br>(Standard desktop orientation)                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Weight</b>                       | Starting at 12.66 lb<br>Starting at 5.7 kg<br>(Exact weight depends upon configuration)                                                                                                                                                                                                                                                                                                                                                         |
| <b>Energy Efficiency Compliance</b> | ENERGY STAR <sup>®</sup> certified and EPEAT <sup>®</sup> registered configurations available <sup>9</sup>                                                                                                                                                                                                                                                                                                                                      |
| <b>Environmental Certification</b>  | Low halogen <sup>10</sup>                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Compatible Displays</b>          | HP Z27s 27-inch UHD Display; HP Z27q 27-inch IPS 5K Display; HP Z24s 24-inch UHD IPS Display; HP Z Display Z30i 30-inch IPS LED Backlit Monitor; HP Z Display Z27i 27-inch IPS LED Backlit Monitor; HP Z Display Z24i 24-inch IPS LED Backlit Monitor; HP Z Display Z23i 23-inch IPS LED Backlit Monitor; HP Z Display Z22i 21.5-inch IPS LED Backlit Monitor; HP DreamColor Z24x Professional Display; HP DreamColor Z27x Professional Display |

## HP Z240 Small Form Factor Workstation

### Accessories and services (not included)

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#### AMD FirePro W2100 2GB Graphics Card



Power through your small-to-medium complexity product development and video projects with the latest professional-class GPU technology of the AMD FirePro™ W2100 low profile graphics board.

**Product number: J3G91AA**

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#### HP Z24nq 23.8-inch Narrow Bezel IPS Display



Enjoy quad HD visuals on the HP Z24nq Narrow Bezel IPS Display, which has an edge-to-edge 23.8-inch diagonal screen for easy tiling of multiple displays<sup>1</sup>, plus out-of-the-box color calibration and flexible connectivity for all of your devices.

**Product number: L1K59A4**

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#### NVIDIA Quadro K1200 (4 GB) Graphics Card



Deliver outstanding professional 3D application performance for product development challenges and media and entertainment creation with the NVIDIA® Quadro® K1200 low profile plug-in graphics card designed for small form factor HP Z Workstations.

**Product number: L4D16AA**

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#### HP Z Turbo Drive G2 256GB PCIe Solid State Drive



Super charge your productivity and creativity and deliver optimized HP Workstation workflows with the HP Z Turbo Drive G2 PCIe SSD, which delivers four times the read performance of traditional SSDs at a cost that's remarkably similar.

**Product number: M1F73AA**

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#### HP Z Turbo Drive G2 512GB PCIe Solid State Drive



Super charge your productivity and creativity and deliver optimized HP Workstation workflows with the HP Z Turbo Drive G2 PCIe SSD, which delivers four times the read performance of traditional SSDs at a cost that's remarkably similar.

**Product number: M1F74AA**

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## 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 and/or software 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.microsoft.com>.

<sup>2</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>3</sup> Sold separately or as alternate features.

<sup>4</sup> Source: IDC WW WS Historical Tracker 2015Q2 – 08.05.15

## 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.microsoft.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> 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 16 GB (for Windows 7) and up to 36 GB (for Windows 8.1 and 10) of system disk is reserved for system recovery software.

<sup>5</sup> 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 Single Sided/5.2 Double Sided-Version 1.0 Media.

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

<sup>7</sup> Wireless cards are optional or add-on features and requires separately purchased wireless access point and internet service. Availability of public wireless access points limited.

<sup>8</sup> Optional or add-on feature.

<sup>9</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country.

<sup>10</sup> External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.

<sup>11</sup> Intel Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost> for more information.

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