Datasheet

HP Z240 Small Form Factor Workstation

HP's entry level workstations just got better. The HP Z240 SFF packs the performance, features, and reliability of a workstation into the price point of a desktop PC.



- Windows 10 Pro[1]
- Intel® Xeon® processor[2]

Powered to manage your challenges

Powerful processors, graphics, memory, and two optional ultra-fast HP Z Turbo Drives[3] 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[1] or Linux® operating systems.
- Get more performance, expandability and flexibility than our previous generations.
- Achieve the performance you need with your choice of next generation Intel® Xeon® processors or Intel® Core™ processors.[2]
- Handle large files, reduce work time and increase performance with the optional HP Z Turbo Drive.[3]
- 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.[3]
- 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.[3]

HP Z240 Small Form Factor Workstation Specifications Table





Form Factor	Small Form Factor
Operating System	Windows 10 Pro 64 [1] Windows 10 Home 64 [1] Windows 7 Professional 64 [2] Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro 64) [3] HP Linux®-ready
Processor Family	Intel® Xeon® E3 processor; 6th Generation Intel® Core™ i7 processor; 6th Generation Intel® Core™ i5 processor; 6th Generation Intel® Core™ i3 processor [4]
Processors[4,5]	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) Intel® Core™ i3-6300 with Intel HD Graphics 530 (3.8 GHz, 4 MB cache, 2 cores) Intel® Core™ i3-6100 with Intel HD Graphics 530 (3.7 GHz, 3 MB cache, 2 cores) Intel® Pentium® G4400 with Intel HD Graphics 510 (3.3 GHz, 3 MB cache, 2 cores)
Chipset	Intel® C236
Maximum Memory	up to 64 GB DDR4-2133 ECC/non-ECC SDRAM (Transfer rates up to 2133 MT/s)
Memory Slots	4 DIMM
Drive Controllers	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.
Internal Storage	500 GB up to 3 TB SATA (7200 rpm) [6] 500 GB SATA SED [6] 128 GB up to 1 TB SATA SSD [6] 256 GB SATA SED SSD [6] 1 TB (8 GB cache) SATA SSHD (7200 rpm) [6] 256 GB up to 1 TB HP Z Turbo Drive G2 (NVMe PCIe SSD) [6]
Optical Storage	HP Slim DVD-ROM Drive; HP Slim SuperMulti DVD-RW Drive; HP Slim Blu-ray Writer [7,8]
Additional Storage	SD media card reader (optional)
Available Graphics	Integrated: Intel® HD Graphics 530; Intel® HD Graphics P530; Intel® HD Graphics 510 [9] Professional 2D: NVIDIA® NVS™ 310 (1 GB); NVIDIA® NVS™ 315 (1 GB); NVIDIA® NVS™ 510 (2 GB) Entry 3D: AMD FirePro™ W2100 (2 GB); NVIDIA® Quadro® K420 (2 GB); NVIDIA® Quadro® K620 (2 GB) Mid-range 3D: NVIDIA® Quadro® M2000 (4 GB); NVIDIA® Quadro® K2200 (4 GB); NVIDIA® Quadro® K1200 (4 GB); AMD FirePro™ W5100 (4 GB); AMD FirePro™ W4300 (4 GB)
Audio	Integrated Realtek HD ALC221-VB audio
Networking	LAN: Integrated Intel® I219LM PCIe GbE; Intel® Ethernet I210-T1 PCIe NIC (optional); Intel® Ethernet I350-T2 2-port NIC (optional) WLAN: Intel® 8260 802.11a/b/g/n/ac PCIe wireless NIC (optional); HP X530 10 GbE Dual-Port Adapter (optional); HP 10 GbE SFP+ SR Transceiver
Expansion Slots	1 PCIe Gen3 x16; 2 PCIe Gen3 x1 (x1 connector); 1 PCIe Gen3 x4 (x16 connector); 1 M.2 PCIe Gen3 x4 (All slots are low profile)
Ports and Connectors	Front: 2 USB 3.0; 2 USB 2.0 (1 charging); 1 headphone; 1 microphone/headphone 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 Internal: 1 USB 3.0; 2 USB 2.0 (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.)

Drive Bays (Internal)	One 3.5"; One 2.5"; One shared 3.5" (shared with external 3.5" bay)
Drive Bays (External)	One shared 3.5" (shared with internal 3.5" bay); One slim ODD
Input Device	HP Wireless Business Slim Keyboard; HP USB CCID SmartCard Keyboard; HP USB Business Slim Keyboard; HP PS/2 Business Slim Keyboard[11] HP USB 1000 dpi Laser Mouse; HP USB Optical 3-Button Mouse; HP USB Optical Mouse; HP PS/2 Mouse; 3Dconnexion CADMouse; HP USB Hardened Mouse[11]
Software	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 [14]
Security	HP Solenoid Lock and Hood Sensor (optional); HP Business PC Security Lock kit (optional); HP UltraSlim Cable Lock Kit (optional); HP Keyed Cable Lock (optional)
Power	240 W 92% efficient, wide-ranging, active PFC; 200 W 85% efficient, wide-ranging, active PFC
Dimensions (W x D x H)	13.3 x 15 x 3.95 in 338 x 381 x 100 mm (Standard desktop orientation)
Weight	Starting at 12.66 lb Starting at 5.7 kg (Exact weight depends upon configuration)
Energy Efficiency Compliance	ENERGY STAR® certified and EPEAT® registered configurations available [12]
Environmental Certification	Low halogen[13]
Compatible Displays	All HP Z Displays and HP DreamColor Displays are supported. For more information see www.hp.com/go/zdisplays.

HP Z240 Small Form Factor Workstation

Recommended accessories and services (not included)

HP Z240 SFF Dust Filter



Maintain optimal performance and help reduce the risk of dust ingress that can cause system failures with the reusable HP Z240 SFF Dust Filter.
Product number: M6W76AA

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, plus out-of-the-box color calibration and flexible connectivity for all of your devices.
Product number: L1K59A8

AMD FirePro W4300 4GB Graphics



Realize fast throughput, superb visual quality, and outstanding multi-display capabilities for your CAD, Engineering, and Media & Entertainment applications with the single-slot, low profile, low-power AMD FirePro™ 4300 graphics card with 4 GB GDDR5 memory.
Product number: T7T58AT

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

HP Z Turbo Drive G2 1TB PCIe SSD



Super charge your productivity and creativity, deliver optimized HP Workstation workflows, and keep more of your work close at hand with the HP Z Turbo Drive G2 1TB PCIe SSD, which delivers up to four times the read performance of traditional SSDs at a cost that's remarkably similar.
Product number: T9H98AA

HP 5 year Next Business Day Onsite with Defective Media Retention



Defective Media Retention (DMR) allows you to keep your hard drive if it is defective and requires replacement while under warranty. You maintain control of your sensitive data, and dispose of the defective media in a way that meets your security standards
Product number: U1G57E

Messaging Footnotes

[1] 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.
[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 is not a measurement of higher performance.
[3] Sold separately or as alternate features.

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 automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.microsoft.com
[2] 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. See http://www.microsoft.com.
[3] 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.
[4] 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.
[5] Intel Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost for more information.
[6] For hard drives and solid state drives, 1 GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB of system disk is reserved for system recovery software.
[7] 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.
[8] 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.
[9] HD content required to view HD images.
[10] 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.
[11] Optional or add-on feature.
[12] EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.
[13] External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.
[14] HP Performance Advisor and HP Remote Graphics Software requires Windows and an internet connection.

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