HP Z238 Microtower Workstation

Ideal for the creative professionals who demand reliability and performance on a budget. Designed for heavy workloads, the HP Z238 delivers current-generation processor and graphics technologies in a microtower form factor that is impressively expandable.

HP recommends Windows 10 Pro.

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

Increased productivity at an affordable price

- With the HP Z238 Workstation, you will gain peace of mind from our extreme test and validation processes designed for mission-critical environments. Work smart with software tools designed to enhance performance.

Latest and greatest in technology

- Enjoy the latest in performance and energy efficiency from the latest Intel® Xeon® processor family2 designed to keep up with your workload. You can choose between cost-effective integrated graphics or powerful 2D or 3D discrete graphics from NVIDIA® and AMD. With HP RGS you can take your graphics intensive workstation applications wherever you go and collaborate with colleagues around the office or around the world in real time.

Featuring

- Engineered to impress, the redesigned HP Z238 Workstation provides the capability and flexibility you require for your demanding workloads.
- You can realize impressive performance, unbelievable storage capacity, a wide variety of I/O slots and ports, and amazing flexibility all at an affordable price.
- Boost your storage performance with the HP Z Turbo Drive G2 (NVMe-based PCIe SSD) and added flexibility with RAID options and solid state drives.
- Optimize these workstations for peak performance with HP Performance Advisor that easily configures your system with the best settings designed for specific applications.[3]

HP Z238 Microtower Workstation Specifications Table

Form Factor	Microtower
Operating System	Windows 10 Pro 64 [1] Windows 10 Home 64 [1] Windows 10 Pro (National Academic License) [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	7th Generation Intel® Xeon® processor (E3-1240 v6, E3-1230 v6, E3-1225 v6, E3-1205 v6 models); 7th Generation Intel® Core™ i7 processor (i7-7700 model); 7th Generation Intel® Core™ i5 processor (i5-7500 model); 7th Generation Intel® Core™ i3 processor (i3-7100 model); 6th Generation Intel® Xeon® processor; 6th Generation Intel® Core™ i7 processor; 6th Generation Intel® Core™ i5 processor; 6th Generation Intel® Core™ i3 processor; Intel® Pentium® processor [3]
Processors[3,9]	Intel® Xeon® E3-1240 v6 (3.7 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Xeon® E3-1230 v6 (3.5 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Xeon® E3-1225 v6 with Intel® HD Graphics P630 (3.3 GHz base frequency, up to 3.7 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Xeon® E3-1205 v6 with Intel® HD Graphics P630 (3 GHz, 8 MB cache, 4 cores); Intel® Xeon® E3-1240 v5 (3.5 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Xeon® E3-1230 v5 (3.4 GHz base frequency, 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 base frequency, up to 3.7 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Core™ i7-7700 with Intel® HD Graphics 630 (3.6 GHz base frequency, up to 4.2 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Core™ i7-6700 with Intel® HD Graphics 530 (3.4 GHz base frequency, up to 4 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores); Intel® Core™ i5-7500 with Intel® HD Graphics 630 (3.4 GHz base frequency, up to 3.8 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores); Intel® Core™ i5-6600 with Intel® HD Graphics 530 (3.3 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores); Intel® Core™ i3-7100 with Intel® HD Graphics 630 (3.9 GHz, 3 MB cache, 2 cores); Intel® Pentium® G4560 with Intel® HD Graphics 610 (3.5 GHz, 3 MB cache, 2 cores)
Chipset	Intel® C236
Maximum Memory	64 GB DDR4-2400 unbuffered SDRAM Transfer rates up to 2400 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 4 TB SATA (7200 rpm) [4] up to 256 GB SATA SSD [4] 256 GB up to 512 GB HP Z Turbo Drive G2 (NVMe PCIe SSD) [4]
Optical Storage	HP Slim DVD-ROM Drive; HP Slim SuperMulti DVD-RW Drive [5]
Additional Storage	SD media card reader (optional)
Available Graphics	Integrated: Intel® HD Graphics P630; Intel® HD Graphics 630; Intel® HD Graphics 610; Intel® HD Graphics P530; Intel® HD Graphics 530; Intel® HD Graphics 510 [6] Professional 2D: NVIDIA® NVS™ 310 (512 MB); NVIDIA® NVS™ 315 (1 GB); NVIDIA® NVS™ 510 (2 GB) Entry 3D: NVIDIA® Quadro® P2000 (5 GB); NVIDIA® Quadro® P400 (2 GB); NVIDIA® Quadro® P600 (2 GB); AMD FirePro™ W2100 (2 GB); NVIDIA® Quadro® K420 (2 GB); NVIDIA® Quadro® K620 (2 GB) Mid-range 3D: NVIDIA® Quadro® P4000 (8 GB); NVIDIA® Quadro® P1000 (4 GB); 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) High-end 3D: AMD Radeon™ Pro WX 4100 (4 GB)
Audio	Integrated Realtek HD ALC221-VB audio
Communications	LAN: Integrated Intel® I219LM PCIe GbE; Intel® Ethernet I210-T1 PCIe NIC (optional)
Expansion Slots	1 PCIe Gen3 x16; 1 PCIe Gen3 x4 (x4 connector); 1 PCIe Gen3 x4 (x16 connector); 1 PCIe Gen3 x1; 1 PCI (optional)
Ports and Connectors	Front: 2 USB 3.0; 2 USB 2.0; 1 headphone; 1 microphone 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 3 USB 2.0 ports available as 2 separate 2x10(3.0 x1, 2.0 x1) and 2x5(2.0 x2) headers. Supports one HP Internal USB 2.0 Port Kit and one USB 3.0 media card reader.
Drive Bays(Internal)	Two 3.5"
Input Device	HP USB Business Slim Keyboard; HP PS/2 Business Slim Keyboard[7]; HP USB 1000 dpi Laser Mouse; HP USB Optical 3-Button Mouse; HP USB Optical Mouse; HP PS/2 Mouse; 3Dconnexion CADMouse[7]
Software	HP Performance Advisor; HP Remote Graphics Software (RGS) 7.1; PDF Complete - Corporate Edition; HP PC Hardware Diagnostics UEFI; HP Client Security Software; Buy Office
Power	280 W 85% efficient, wide-ranging, active PFC
Dimensions	170 x 442 x 399 mm (Standard desktop orientation)
Weight	Starting at 8.6 kg
Environmental Certification	Low halogen[8]
Energy Efficiency Compliance	ENERGY STAR® qualified configurations available.

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Recommended Accessories and Services

HP SpaceMouse Pro USB 3D Input Device

SpaceMouse Pro is the latest addition to 3Dconnexion's line of professional 3D mice. With an advanced ergonomic design and innovative On-Screen Display, it delivers superior comfort and a simpler, more productive workflow.
Product number: B4A20AA

HP Z24n 24-inch Narrow Bezel IPS Display

Create a seamless 16:10 multi-display[1] setup with the HP Z24n Narrow Bezel IPS Display, which has a virtually borderless screen for maximum impact imagery, factory color calibration to ensure optimal color accuracy, and flexible connectivity for all of your devices.
Product number: K7B99A4

HP 5-year Next Business Day Onsite Workstation Only Hardware Support

Receive 5 years of next business day onsite repair from an HP-qualified technician for your computing device, if the issue cannot be solved remotely. For more information on Care Pack services, please visit www.hp.com/go/cpc.
Product number: U1G39E

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] 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.
[3] Requires Windows 7 or Windows 8.

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] 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.
[3] 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. 64-bit computing system required. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
[4] 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.
[5] 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.
[6] HD content required to view HD images.
[7] Optional or add-on feature.
[8] External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.
[9] 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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