Datasheet

HP ZBook 17 G3 Mobile Workstation

Wish you could take your desktop workstation on the road with you? The HP ZBook 17 offers HP's ultimate in power plus portability with a 17.3" diagonal screen, massive scalability and configurability, and all the latest power-packed features.

HP recommends Windows.

- Windows 10 Pro[1]
- Up to 4 TB of storage[2]

Carry it with confidence

- Push the boundaries of performance without pushing the boundaries of portability. HP's biggest and most powerful mobile workstation just got 25% thinner and 11% lighter[3] than the previous generation, with a stunning magnesium aluminum facelift.

Create your ideal workstation

- Enjoy up to 64 GB ECC memory,[5] dual 1 TB HP Z Turbo Drive G2[5,6] for up to 4 TB[2] of total storage, dual Thunderbolt™ 3, and optional HP DreamColor UHD or FHD touch displays.[5,6]

Defined by HP Z DNA

- Work confidently with HP mobile workstations designed around 30 years of HP Z DNA with extensive ISV certification. It's reliable, designed to pass MIL-STD 810G testing[7], and endure 120K hours of testing in HP's Total Test Process.

Featuring

- Support your unique user needs with a choice of Windows 10 Pro[1] or Windows 7[1] operating systems.
- The HP ZBook 17 Mobile Workstation delivers style, impressive performance, and long battery life.
- Get powerful performance from 6th Gen Intel® Core™ [4] and Intel® Xeon® processor[4] options.
- Take productivity up a notch with the ability to do more thanks to your choice of AMD FirePro™ and NVIDIA® Quadro® 3D graphics with up to 8GB of video memory.[5]
- Take on challenging tasks with confidence with up to 64 GB DDR4 with optional ECC memory[8] for no compromise capacity, performance and reliability.
- Reduce boot up, calculation, and response times by revolutionizing how your HP ZBook handles large files with optional dual 1 TB HP Z Turbo Drive G2[5,6] storage for a remarkably fast and innovative solution.
- Quickly and easily transfer data and connect to devices. This mobile workstation is packed with multiple ports including dual Thunderbolt™ 3 ports, HDMI, and more.
- Pick the right display for the way you work with crystal clear 4K UHD display options.[5]
- Create the HP ZBook you need by choosing from several configuration options.

HP recommends Windows.

HP ZBook 17 G3 Mobile Workstation Specifications Table

Operating System	Windows 10 Pro 64 – HP recommends Windows 10 Pro. [1] Windows 10 Home 64 [1] Windows 7 Professional 64 [1] Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro 64) [2] FreeDOS 2.0 Red Hat® Enterprise Linux® 6 & 7 (web support only) No Linux preloaded. Customer is responsible to obtain their own distribution.
Processor Family	Intel® Xeon® processor; 6th Generation Intel® Core™ i5 processor; 6th Generation Intel® Core™ i7 processor [3]
Processors[3]	Intel® Xeon® E3-1575M v5 with Intel® Iris™ Pro Graphics P580 (3 GHz, up to 3.9 GHz with Intel Turbo Boost Technology, 8 MB L3 cache, 4 cores); Intel® Xeon® E3-1535M v5 with Intel® HD graphics P530 (2.90 GHz, up to 3.80 GHz with Intel Turbo Boost Technology, 2133 MHz, 8 MB L3 Cache, 4 cores); Intel® Core™ i7-6820HQ with Intel® HD graphics 530 (2.70 GHz, up to 3.60 GHz with Intel Turbo Boost Technology, 2133 MHz, 8 MB L3 Cache, 4 cores); Intel® Core™ i7-6700HQ with Intel® HD graphics 530 (2.60 GHz, up to 3.50 GHz with Intel Turbo Boost Technology, 2133 MHz, 6 MB L3 Cache, 4 cores); Intel® Core™ i5-6440HQ with Intel® HD graphics 530 (2.60 GHz, up to 3.50 GHz with Intel Turbo Boost Technology, 2133 MHz, 6 MB L3 Cache, 4 cores)
Chipset	Mobile Intel® CM236
Maximum Memory	64 GB DDR4-2133 ECC SDRAM or 64 GB DDR4-2133 Non-ECC SDRAM [4] Transfer rates up to 2133 MT/s. Non-ECC memory only available with Intel® Core™ procesors. ECC memory only available with Intel® Xeon® processors.
Memory Slots	4 SODIMM
Internal Storage	500 GB up to 1 TB SATA (7200 rpm) [5] up to 500 GB SATA SED (7200 rpm) [5] up to 500 GB SATA SED FIPS 140-2 (7200 rpm) [5] up to 500 GB (8 GB cache) SATA SSHD [5] 256 GB up to 512 GB M.2 SATA SED SSD [5] 256 GB up to 1 TB HP Z Turbo Drive G2 (NVMe PCIe SSD) [5]
Display	17.3" diagonal HD+ SVA anti-glare LED-backlit (1600 x 900); 17.3" diagonal FHD UWVA IPS anti-glare LED-backlit (1920 x 1080); 17.3" diagonal FHD Touch UWVA IPS LED-backlit (1920 x 1080); 17.3" diagonal UHD DreamColor UWVA IPS anti-glare + PSR LED-backlit (3840 X 2160)
Available Graphics	Integrated: Intel® HD graphics 530; Intel® HD graphics P530; Intel® Iris™ Pro Graphics P580 [9,18] Discrete: NVIDIA® Quadro® M5000M (8 GB dedicated GDDR5); NVIDIA® Quadro® M4000M (4 GB dedicated GDDR5); NVIDIA® Quadro® M3000M (4 GB dedicated GDDR5); NVIDIA® Quadro® M2000M (4 GB dedicated GDDR5); NVIDIA® Quadro® M1000M (2 GB dedicated GDDR5); AMD FirePro™ W6150M (4 GB dedicated GDDR5) (Intel® HD Graphics 530 integrated on Core™ i7 and Core™ i5 processors. Intel® HD Graphics P530 and Intel® Iris™ Pro Graphics P580 integrated on Xeon® processors.)
Audio	Bang & Olufsen HD audio. Integrated stereo speakers and microphone (dual-microphone array when equipped with optional webcam). Button for volume mute, functions keys for volume up and down. Combo microphone-in/stereo headphone-out jack.
Communications	LAN: Integrated Intel® I219-LM Gigabit Network Connection WLAN: Intel® Dual Band Wireless-AC 8260 802.11 a/b/g/n/ac (2x2) Wi-Fi and Bluetooth® 4.0 combo; Intel® Dual Band Wireless-AC 8260 802.11 a/b/g/n/ac (2x2) non-vPro Wi-Fi and Bluetooth® 4.0 combo [7] WWAN: HP lt4120 Qualcomm® Snapdragon™ X5 LTE Mobile Broadband Module; HP hs3110 HSPA+ Intel® Mobile Broadband Module [8]
Expansion Slots	1 SD UHS-II flash media; 1 smart card reader SD supports next generation secure digital and is backward compatible to SDHC, SDXC
Ports and Connectors	Left side: 1 RJ-45; 2 USB 3.0; 1 USB 3.0 (charging) Right side: 1 power connector; 2 Thunderbolt™ 3; 1 VGA; 1 HDMI 1.4; 3 USB 3.0; 1 stereo microphone-in/headphone-out combo[6]
Input Device	HP Spill Resistant Keyboard (backlit with function key control)Image sensor touchpad with on/off button, two-way scroll, gestures, three pick buttons. Pointstick with three additional pointstick buttons.
Camera	720p HD webcam [10]
Software	HP Mobile Workstations are shipped with a variety of software titles including: HP Performance Advisor, HP Remote Graphics Software, HP Velocity, HP Client Security, Microsoft Security Essentials, HP ePrint Driver, HP Recovery Manager, Foxit PhantomPDF Express. Please refer to this product's quickspec document for a full list of preinstalled software. [11,12]
Security	Integrated smart card reader; One-step logon; Common Criteria EAL4+ Augmented Certified Discrete TPM 1.2/2.0 Embedded Security Chip; Security lock slot; Support for Intel® AT; HP FingerPrint Sensor (optional); Absolute Persistence Module; HP BIOSphere with Sure Start; SATA port disablement (via BIOS); DriveLock and Automatic DriveLock; RAID (available as a configurable option); Serial, parallel, USB enable/disable (via BIOS); Optional USB port disable at factory (user configurable via BIOS); Removable media write/boot control; Power-on password (via BIOS); Setup password (via BIOS) [13,14,15]
Power	200 W Slim Smart AC adapter (external) HP Long Life 6-cell 96 WHr Li-ion prismatic
Dimensions	420 x 280 x 30 mm
Weight	Starting at 3 kg
Environmental Certification	Low halogen[17]
Energy Efficiency Compliance	ENERGY STAR® certified and EPEAT® registered configurations available [16]
Warranty	Limited 3-year or 1-year limited warranty options available, depending on country. Batteries have a default one year limited warranty except for Long Life batteries which will have same 1-year or 3-year limited warranty as the platform. Optional1 HP Care Pack Services are extended service contracts which go beyond your standard limited warranties. Service levels and response times for HP Care Packs may vary depending on your geographic location.

HP recommends Windows.

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Recommended Accessories and Services

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 ZBook 200W Thunderbolt 3 Dock

Create a remarkably powerful and streamlined mobile workstation workspace without the clutter with the HP ZBook Dock with Thunderbolt 3.[1] Get expansive device, display, and network connectivity plus simultaneous charging of your system through one simple cable from the dock to your HP ZBook.

Product number: P5Q61AA

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

Care Pack

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: U7944E

HP recommends Windows.

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] For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 16GB (for Windows 7) and up to 30GB (for Windows 8.1/10) of system disk is reserved for system recovery software.
[3] Weight will vary by configuration.
[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] Sold separately or as an optional feature.
[6] Planned to be available in mid-2016.
[7] MIL-STD testing is pending and is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Damage under the MIL STD test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.
[8] ECC Memory is an optional feature available with Intel® Xeon® configurations.

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] 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.
[4] Maximum memory capacities assume Windows 64-bit operating systems. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.
[5] For storage drives GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 8.1/10) is reserved for system recovery software.
[6] Thunderbolt™ 3 is new technology. Install all the latest drivers for your Thunderbolt device before connecting the device to the Thunderbolt port. Thunderbolt cable and Thunderbolt device (sold separately) must be compatible with Windows. To determine whether your device is Thunderbolt Certified for Windows, see https://thunderbolttechnology.net/products
[7] 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. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ac WLAN devices.
[8] WWAN is an optional feature. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, and in all regions.
[9] HD content required to view HD images.
[10] Optional or add-on feature.
[11] Microsoft Security Essentials requires Windows 7 and internet access.
[12] HP ePrint Driver requires an internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see www.hp.com/go/businessmobileprinting
[13] The Computrace agent is shipped turned off, and must be activated by customers when they purchase a subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S.
[14] This product ships with TPM 1.2 with option to upgrade to TPM 2.0. Upgrade utility is expected to be available by the end of 2016 via HP Customer Support.
[15] BIOS Absolute Persistence module is shipped turned off, and will be activated when customers purchase and activate a subscription. Service may be limited. Check with Absolute for availability outside the U.S. The optional subscription service of Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: http://www.absolute.com/company/legal/agreements/computrace-agreement. If Data Delete is utilized, the Recovery Guarantee payment is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either create a PIN or purchase one or more RSA SecurID tokens from Absolute Software.
[16] EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.
[17] External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.
[18] Intel® HD graphics 530 is configurable as a standalone graphics option; Intel® HD graphics P530; Intel® Iris™ Pro Graphics P580 are only used when NVIDIA Optimus™ Technology is enabled.

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4AA6-1906EEAP, APJ, August 2016