HP ZBook Power 15.6 inch G8 Mobile Workstation PC

Pro-certified power within reach

Now you can upgrade to professional ZBook performance and security at an unbelievably affordable price. Power up your productivity on a durable yet premium design, with prograde components including graphics certified for leading software applications.



*Product image may differ from actual product

Power through professional workflows

Blaze through 3D modeling workloads with up to a NVIDIA RTX[™] A2000 Laptop GPU, while eliminating slowdowns with Intel[®] Core[™] i9 CPUs, ¹ 64GB RAM and dual 2TB M.2 SSDs.² Plus, remote collaboration is easy with ZCentral Remote Boost software.³

Certified, secured, and supported.

Get peace of mind with a secure,⁴ serviceable mobile workstation that's certified for the
professional apps you use every day. HP Sure Suite advanced security features come
standard while optional management tools simplify fleet-wide roll-outs.

Durable with a premium touch.

- With a sanitizable⁵ all-aluminum chassis and MIL-STD⁶ durability, this PC is tough enough to last, yet built with a premium touch. The four-sided narrow bezel maximizes screen real estate, while an optional 4K UHD display makes project details pop.⁷
- Work anywhere without compromising on performance or security with Windows 11 powered by HP's collaboration and connectivity technology.
- NVIDIA RTX[™] professional GPUs deliver the performance professionals need and the flexibility to work from anywhere in a compact form factor.²
- Take multitasking to the next level with 11th gen Intel[®] Core™ i9 processor¹ designed to handle complex, multithreaded apps like Adobe Premiere Pro[®], and with fast clock speeds you can boost your speed on single threaded apps as Autodesk[®] 3ds Max^{®11}
- Strenuously tested to meet ISV certification and deliver superb performance and support with leading software providers, including Autodesk[®] and Adobe[®].¹¹
- Lend a teammate the power of your device remotely with ZCentral Remote Boost softwareincluded with the purchase of any Z device.³
- Security features from HP work together to create an always on, always acting, resilient defense. From the BIOS to the browser, above and below the OS, these constantly evolving solutions help protect your PC from threats.
- Know if someone has tried to open the cover of your PC thanks to a tamper lock intrusion
 detection system that can require an administrator password to restart the system.¹²
- Built with the environment in mind, this ZBook includes recycled ocean-bound plastics,¹³ plastic-free packaging, and ultra-efficient power consumption.
- Built-in Tile[™] integration helps you track down your lost or misplaced device.¹⁴
- Plug in to greater connectivity at your desktop with the HP Thunderbolt Dock for lightningfast Thunderbolt™ 4¹⁵ transfers and the flexibility to run up to two external 4K displays.^{16,17}
- Work without limits in any location with up to 4TB¹⁰ of local PCIe G4 storage.⁹

HP recommends Windows 11 Pro for business

HP ZBook Power 15.6 inch G8 Mobile Workstation PC Specifications Table





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|---|---|
| Available Operating Systems | Windows 11 Pro ¹ Windows 11 Home – HP recommends Windows 11 Pro for business ¹ Windows 11 Home Single Language – HP recommends Windows 11 Pro for business ¹ Windows 11 Pro (Windows 11 Enterprise available with a Volume Licensing Agreement) ¹ Windows 10 Home – HP recommends Windows 11 Pro for business ¹ Windows 10 Home – HP recommends Windows 11 Pro for business ¹ Windows 10 Home – Single Language – HP recommends Windows 11 Pro for business ¹ Windows 10 Pro (Windows 10 Enterprise available with a Volume Licensing Agreement) ¹ FreeDOS 3.0 (Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. Upgrade timing may vary by device. Features and app availability may vary by region. Certain features require specific hardware (see Windows 11 Specifications).) |
| Processor family ^{2,3,4,5,25} | 11th Generation Intel® Core™ i5 processor; 11th Generation Intel® Core™ i7 processor; 11th Generation Intel® Core™ i9 processor |
| Available Processors ^{2,3,4,5,16,25} | Intel [®] Core [™] i5-11400H with Intel [®] UHD Graphics (2.7 GHz base frequency, up to 4.5 GHz with Intel [®] Turbo Boost Technology, 12 MB L3 cache, 6 cores); Intel [®] Core [™] i5-11500H with Intel [®] UHD Graphics (2.9 GHz base frequency, up to 4.6 GHz with Intel [®] Turbo Boost Technology, 12 MB L3 cache, 6 cores); Intel [®] VPro [®] Technology, Intel [®] Core [™] i7-11800H with Intel [®] UHD Graphics (2.3 GHz base frequency, up to 4.6 GHz with Intel [®] Turbo Boost Technology, 24 MB L3 cache, 8 cores); Intel [®] Core [™] i7-11850H with Intel [®] UHD Graphics (2.5 GHz base frequency, up to 4.8 GHz with Intel [®] Turbo Boost Technology, 24 MB L3 cache, 8 cores); Intel [®] Core [™] i7-11850H with Intel [®] UHD Graphics (2.5 GHz base frequency, up to 4.8 GHz with Intel [®] Turbo Boost Technology, 24 MB L3 cache, 8 cores); Intel [®] Core [™] i9-11900H with Intel [®] UHD Graphics (2.5 GHz base frequency, up to 4.9 GHz with Intel [®] Turbo Boost Technology, 24 MB L3 cache, 8 cores); Intel [®] Core [™] i9-11900H with Intel [®] UHD Graphics (2.6 GHz base frequency, up to 5.0 GHz with Intel [®] Turbo Boost Technology, 24 MB L3 cache, 8 cores); Supports Intel [®] Core [™] i9-11950H with Intel [®] UHD Graphics (2.6 GHz base frequency, up to 5.0 GHz with Intel [®] Turbo Boost Technology, 24 MB L3 cache, 8 cores); supports Intel [®] VPro [®] Technology. |
| Chipset | Intel® WM590 |
| Maximum memory | 64 GB DDR4-3200 non-ECC SDRAM ⁷ Transfer rates up to 3200 MT/s. |
| Memory slots | 2 SODIMM; supports dual channel ^{8,9,10} |
| Internal storage | 256 GB up to 2 TB PCIe [®] Gen3 NVMe™ M.2 SSD ^{11, 51, 52} 512 GB up to 2 TB PCIe [®] Gen4 NVMe™ M.2 SSD ^{11, 51, 52} 256 GB up to 512 GB PCIe [®] Gen3 NVMe™ M.2 SED SSD ¹¹ |
| Display size (diagonal, metric) | 39.6 cm (15.6") |
| Display | 39.6 cm (15.6") diagonal, FHD (1920 x 1080), touch, IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC; 39.6 cm (15.6") diagonal, FHD (1920 x 1080), touch, IPS, narrow bezel, anti-reflection Corning® Gorilla® Glass 5, 250 nits, 45% NTSC; 39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 400 nits, low power, 100% sRGB; 39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 400 nits, low power, 100% sRGB ^{21,23,24} |
| Available Graphics | Integrated: Intel® UHD Graphics ¹⁶ Discrete: NVIDIA® T1200 (4 GB GDDR6 dedicated); NVIDIA RTX™ A2000 (4 GB GDDR6 dedicated); NVIDIA® T600 (4 GB GDDR6 dedicated) |
| Audio | HP Audio, dual stereo speakers, dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio 45 |
| Expansion slots | 1 smart card reader |
| Ports and Connectors | Left side: 1 RJ-45; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.0; 1 nano security lock slot ; Right side: 1 power connector; 1 headphone/microphone combo; 1 Thunderbolt™ 4 with USB4 Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 Super Speed USB Type-A 5Gbps signaling rate (1 charging) ^{6,55,56} |
| Input devices | HP Premium Quiet Keyboard, spill-resistant, full-size, backlit, keyboard with a Programmable Key and numeric keypad; ClickPad Mylar with multi-touch gesture support, taps enabled as default; Microsoft Precision Touchpad with gesture support; |
| Communications | LAN: Intel® I219-LM GbE, vPro®; Intel® I219-V GbE, non-vPro® ; WLAN: Intel® Wi-Fi CERTIFIED 6™ AX201 (2x2) and Bluetooth® 5.2 combo, vPro®; Intel® Wi-Fi CERTIFIED 6™ AX201 (2x2) and Bluetooth® 5.2 combo, non-vPro® ; NFC Mirage WNC XRAV-1 |
| Camera | 720p HD camera; 720p HD IR camera ^{17,18} |
| Software | Bing search for IE11; Buy Office; HP Hotkey Support; HP Performance Advisor; HP Recovery Manager; HP Remote Graphics Software; HP Support Assistant; HP JumpStart; Native Miracast support; HP Connection Optimizer; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP QuickDrop; HP Easy Clean; HP PC Hardware Diagnostics; HP ZCentral Remote Boost 2020 Software for Z workstation; Tile™ Application; ^{15,28,29,32,33,35,36,39,54} |
| Available software | HP Smart Support ⁵⁸ |
| Security management | Absolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Security Manager; Integrated smart card reader; Master Boot Record security; Pre-boot authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BIOSphere Gen5; HP Sure Start Gen6; HP P Sure Run Gen3; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Suite Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core; ^{19,22,27,30,31,34,38,47,49,50,53} |
| Fingerprint reader | Fingerprint reader (select models) |
| Power | 120 W Slim Smart external AC power adapter; 150 W Slim Smart external AC power adapter ²⁰ |
| Battery type | HP Long Life 6-cell, 83 Wh Li-ion polymer ^{37,40} |
| Battery life | Up to 16 hours 15 minutes |
| Dimensions | 35.94 x 23.39 x 2.28 cm |
| Weight | Starting at 1.89 kg (Weight varies by configuration and components.) |
| Ecolabels | ENERGY STAR [®] certified; EPEAT [®] registered where applicable. EPEAT [®] registration varies by country. See www.epeat.net for registration status by country. ⁴¹ |
| Sustainable impact specifications | Low halogen ⁴² |
| Warranty | 3 year (3/3/0) limited warranty includes 3 years of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply. |

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Accessories and services (not included)



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Messaging Footnotes

¹ 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, branding and/or naming is not a measurement of higher performance.
² Optional, configurated patient that must be configured at purchase.
³ HP ZCentral Remote Boost Sender does not come preinstalled on Z Workstations but can be downloaded and run on all Z desktop and laptops without license purchase through 2022. With non-Z sender devices, purchase of perpetual individual license or perpetual

The Zentral Retribute bools Sender does not Come preinstance on L workstations out can be dowinsidated and run of all z beskup and laptops window underse pricinase introduct 2222.

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Damage Protection Care Pack.

4K UHD display is an optional feature that must be configured at purchase.

⁷ 4K UHD display is an optional feature that must be configured at purchase. ⁹ Optional, configurable feature. ¹⁰ For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB (for Windows 10) of system disk is reserved for system recovery software. ¹¹ Adobe, Adobe Premier Pro and Autodesk® 3ds Max® sold separately. ¹² HP Tamper Lock must be enabled by the customer or your administrator. ¹³ Speaker enclosure component made with 5% ocean bound plastic as of 2/3/2020. ¹⁴ Some Tie[™] features require optional subscription to Tie[™] Premium. Ring feature not supported. Tile[™] application for Windows 10 available for download from the Windows Store. Mobile phone app available for download from App Store and Google Play. Requires ¹⁵ D1 1 and greater or Android 6.0 and greater see https://support.thetileapp.com/hc/en-us/articles/200424778 for more information. Tile[™] will function as long as the PC has battery power.

¹⁶ External displays sold separate
 ¹⁷ Optional hybrid graphics is required to run up to two external 4K displays.

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 is automatically updated and ¹ Not all teatures 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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.indows.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, branding and/or naming is not a measurement of higher performance.
³ Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
⁴ Intel[®] Turbe Boost performance varies depending on hardware, software and overall system configurations. See www.intel.com/technology/turboboost for more information.
⁵ In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 drivers on the furgements.

http://www.support.hp.com

⁶ HDMI port-cable not included

 ⁶ FU/DI port-cable not included.
 ⁷ Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.
 ⁸ Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory channels.
 ⁹ Intel[®] allows architectures designed with four DIMM slots to run at 3200 MT/s
 ¹⁰ 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.
 ¹¹ For storage drives GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35 GB (for Windows) is reserved for system recovery software.
 ¹² GbE - The term "10/100/1000" or "Gigabit" Ethernet indicates compatibility with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network for the name interview in an indicated on the system recovery software. infrastructure is required. ¹³ Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. The specifications for Wi-Fi 6 (802.11 ax WLAN) are draft specifications and are not final. If the final specifications differ from the draft

¹³ Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. The specifications for Wi-Fi 6 (802.11 ax 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 802.11 ax WLAN devices. Only available in countries where 802.11 ax 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 802.11 ax WLAN devices. Only available in countries where 802.11 ax is supported.
 ¹⁴ PH tested Windows 10, version 1909 on this platform. For testing information on never versions of Windows 10. Diplease see the Integr/Isupport. Isupport. Integr/Isupport. Integr/Isupport. Integr/Isupport. Integr/Isupport. Integr/Isupport. Isupport. Integr/Isupport. Isupport. Integr/Isupport. Integr/Isupport. Isupport. Integr/Isupport. Isupport. Integr/Isupport. Isupport. Integr/Isupport. Integr/Isupport. Isupport. Integr/Isupport. Isupport. Integr/Isupport. Isupport. Integr/Isupport. Integr/Isupport. Isupport. Integr/Isupport. Isupport. Integr/Isupport. Isupport. Isupport. Integr/Isupport. Isupport. Integr/Isupport. I

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³⁰ HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html

³⁰ HP Manageability Integration KIt can be downloaded from http://www8.hp.com/us/gen/ads/clientmanagement/overview.html.
³¹ Absolute Persistence Module: Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: http://www.absolute.com/company/legal/agreements/computrace-agreement. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is all and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.
³² HP Easy (Easy and Will disable the keyboard; hourscreen, and (Lickpad only. Ports are not disabled). See user guide for clean.
³³ HP Quick Drop requires Internet access and Windows 10 PC preinstalled with HP QuickDrop app and either an Android device (phone or tablet) running Android 7 or higher with the Android HP QuickDrop app, and /or an iOS device (phone or tablet) running iOS 12 or higher with the IOS HP QuickDrop app.

Security lock for security slot is sold separately

³⁴ Security lock for security slot is sold separately.
 ³⁵ HP Support Assistant Internet access required.
 ³⁶ HP Support Assistant Internet access required.
 ³⁷ Battery is internal and not replaceable by customer. Serviceable by warranty. Batteries have a default one year limited warranty except for Long Life batteries which will have same 1-year or 3-year warranty as the platform.
 ³⁸ HP Suce Start Gen6 is available on select HP PCs and requires Windows 10.
 ³⁹ HP Zicentral Remote Boost Sender does not come preinstalled on Z Workstations but can be downloaded and run on all Z desktop and laptops without license purchase through 2022. With non-Z sender devices, purchase of perpetual individual license or perpetual floating license per simultaneously executing versions and purchase of Zicentral Remote Boost Sender for non-Z Hardware requires a license and Windows 10, RHEL/(entOE) (7 or 8), or UBUNTU 18.04 or 20.04 LTS operating system. and ThinPor 7.2 are only supported on the receiver side. Requires network access. The software is available for dwnloaded at pp. com/ZicentralRemoteBoost.
 ⁴⁰ Actual battery Wath-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.
 ⁴¹ Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT® texters by country. Visit www.epeat.net for more information.
 ⁴⁵ Secure Erase - Fort the methods outlined in the National Insultue of Standards and Technology Special Purchase may not be low halogen.
 ⁴⁵ Secure Erase - Fort the methods outlined in the National Insultue of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Scure Erase does not support latforms with Intel[®] Optane[™].
 ⁴⁹ Daure Recover Gen3 is available on se

⁵⁰ HP Sure Sense is available on select HP PCs and is not available with Windows10 Home

 ⁴⁴⁴ HP Sure Sense is available on select HP PCs and is not available with Windows10 Home.
 ⁵¹ Storage slot 1 can support up to PCle Gen 4 speeds; storage slot 2 can support up to PCle Gen 3 speeds.
 ⁵² Storage slot 1 can support both PCle Gen 3 and Gen4 drives.
 ⁵³ Rotage slot 1 can support to the PCle Gen 3 and Gen4 drives.
 ⁵⁴ Tile requires an Intel[®] VP/n[®], AMD Ryzen[™] Pro processor or Qualcomm[®] processor with SD850 or higher and requires 8 GB or more system memory. Secured Core PC functionality can be enabled from the factory.
 ⁵⁴ Tile requires Windows 10. Some features require optional subscription to Tile Premium. Ring feature not available on HP ZBook Power G8. Tile application for Windows 10 available for download from the Windows Store. Mobile phot from App Store and Google Play. Requires IOS 11 and greater or Android 6.0 and greater see https://support.thetileapp.com/hc/en-us/articles/200424778 for more information. HP Tile will function as long as the PC has battery power 55 tunedrobet[™] 4 and USB4[™] maximum speed of 40Gbps will be divided between the different data workstreams.
 ⁵⁵ SuperSneed UISR 20Gins 20 not available for in the Thurderbolt[™] 4. vs Store. Mobile phone app available for download

⁵ SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4

58 HP Smart Support automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit http://www.hp.com/smart-support.

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