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

HP recommends Windows 11 Pro for business

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 software-included 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 lightning-fast 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 ZBook Power 15.6 inch G8 Mobile Workstation PC Specifications Table



Warranty





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 Pro ¹ Windows 10 Pro 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).)
11th Generation Intel® Core™ i5 processor; 11th Generation Intel® Core™ i7 processor; 11th Generation Intel® Core™ i9 processor
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), supports Intel® vPro® Technology; Intel® Core™ i7-11800H with Intel® UHD Graphics (2.3 GHz base frequency, up to 4.6 GHz 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), supports 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); Intel® VPro® Technology
Intel® WM590
64 GB DDR4-3200 non-ECC SDRAM ⁷ Transfer rates up to 3200 MT/s.
2 SODIMM; supports dual channel ^{8,9,10}
256 GB up to 2 TB PCle® Gen3 NVMe™ M.2 SSD ^{11,51,52} 512 GB up to 2 TB PCle® Gen4 NVMe™ M.2 SSD ^{11,51,52} 256 GB up to 512 GB PCle® Gen3 NVMe™ M.2 SED SSD ¹¹
39.6 cm (15.6")
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, 4K UHD (3840 x 2160), IPS, narrow bezel, anti-glare, 400 nits, low power, 100% sRGB ^{21,23,24}
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)
HP Audio, dual stereo speakers, dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio 45
1 smart card reader
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) ^{655,56}
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;
LAN: Intel® 1219-LM GbE, vPro®; Intel® 1219-V GbE, non-vPro®; WLAN: Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5.2 wireless card, vPro®; Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5.2 wireless card, non-vPro®; NFC Mirage WNC XRAV-1
720p HD camera; 720p HD IR camera ^{17,18}
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; 1528293233353363954
HP Smart Support ⁵⁸
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 Gen6; HP Sure Start Gen6; HP Sure Run Gen3; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Suite Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core; 1922/77.3031.34.3847.49.5053
Fingerprint reader (select models)
120 W Slim Smart external AC power adapter; 150 W Slim Smart external AC power adapter ²⁰
HP Long Life 6-cell, 83 Wh Li-ion polymer ^{37,40}
Up to 16 hours 15 minutes
35.94 x 23.39 x 2.28 cm
Starting at 1.89 kg; (Weight varies by configuration and components.)
ENERGY STAR® certified; EPEAT® registered where applicable. EPEAT® registration varies by country. See www.epeat.net for registration status by country. 41
Low halogen ⁴²

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)

HP Nano Keyed Cable Lock



Lock your notebook or tablet down in the office and high-traffic public areas by tethering it to a secure surface with the thin profile HP Nano Keyed Cable Lock. **Product number: 1AJ39AA**

HP Thunderbolt Dock G2 with Combo Cable



Reinvent docking and boost productivity with our most versatile Thunderbolt™ dock, the small, sophisticated HP Thunderbolt Dock G2. Designed for workspace flexibility and network manageability¹, it delivers USB-C™² device connectivity and optional integrated audio.³

Product number: 3TR87AA

Advanced manageability features such as WoL and MAC Address Pass-Through in all power Advanced manageability reatures such as woll and MAC Address Pass-1 mought in all power states supported only on HP Elite x2 1012 G2, HP Pro x2 612 G2, HP EliteBook 1040 G4, HP EliteBook x360 1020, 1030 G2, 800 G5, 700 G5, 600 G4, 400 G5, and G4 HP Mobile Workstations as of January 17th, 2018.

Notebooks must be able to support USB-C™ power, video, and USB-C™ and Thunderbolt™

industry standards.

HP 3 year Next Business Day Onsite Hardware Support for Notebooks



Receive 3 years of next business day onsite HW Support from an HP-qualified technician for your computing device, if the issue cannot be solved remotely. **Product number: U02BQE**

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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.

 On the following the feature that must be configured at purchase.

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- or perpetual floating licenseper simultaneously executing versions and purchase of Zentral Remote Boost Software Support is required. ZCentral Remote Boost Software Support Software Software Software Support Software Support Software Support Software Support Software Support Software So

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

- 4 KUHD display is an optional feature that must be configured at purchase.

 9 Optional, configurable feature.

 10 Forhard 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® 3 cis Max® sold separately.

 12 HP Tamper Lock must be enabled by the recustomer or your administrator.

 13 Speaker enclosure component made with 5% ocean bound plastic as of 2/3/2020.

 14 Some Tile™ features require optional subscription to Tile™ 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 in Sci 11 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.

 15 HP Thunder bolt Dock with Thunder bolt™ 4 sold separately.
- 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 brise parately purchased hardware, drivers, so ftware or BIOS update to take full advantage of Windows functionality. Windows is automatically updated
- Notal leatures are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIDs update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed intermet and Microsoft account required. SP fees may apply and additional requirements may apply to your time for updates. See this ref.//www. windows.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 performancement of processors will run at lower speeds in battery optimization mode.

 4 Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. 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 butter (with the land AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on butter (with the land AMD 7th generation and forward processors or provide any Windows 7 drivers on butter (with the land AMD 7th generation and forward processors or provide any Windows 7 drivers on butter (with with the land AMD 7th generation and forward processors or provide any Windows 7 drivers on butter (with the land AMD 7th generation and forward processors or provide any Windows 7 drivers on butter (with the land AMD 7th generation and forward processors or provide any Windows 7 drivers on butter (with the land AMD 7th generation and forward processors or provide any Windows 7 drivers on butter (with the land AMD 7th generation and forward processors are provided any with the land AMD 7th generation an
- http://www.support.hp.com
- 6 HDMIport-cable not included

- *HDMIport-cablenot included.

 *To 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.

 *Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory channels.

 *Intel® allows architectures designed with four DIMM slots to run at 3200 MT/s

 *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.

 **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.

 GBC = The term **10/100/1000 or **Gigabit** Ethernet indicates compatibility with EEE standard 802.3 ab 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 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-Fi6 (802.11ax 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-Fi6 (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.

 4 HP tested windows 10, version 1909 on this platform. For testing information on newer versions of Windows 10, please see https://support.hp.com/document/b0195282

 15 HP Cloud Recovery is available for HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, wired network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail please refer to: https://support.hp.ccm/document/b0115630.

 16 Intel® Integrated graphics: intel® UHD Graphics, integrated on Xeon® processors.

 17 FHD and HD content required to view HD images respectively.

 18 Windows SHello face authentication utilizes a carner aspectably configured for near infrared (IR) imaging to authenticate and unlock Windows devices as well as unlock your Microsoft Passport.

 19 FD sure Click requires Windows 10. See https://bit.ly/2 PrtT EA_SureClick for complete details.

 20 120 W power adapter is only available with UMA graphics. 150 W power adapter is only available with discrete graphic options.

 21 UHD content required to view UHD Images.

 22 HP BIOSphere Genf requires Windows 10 and is available on select HP Pro and Elite PCs. Features may vary depending on the platform and configurations.

 23 Resolutions are dependent upon monitor crapability, and resolution and color depth settings.

 24 Actual brightness will be lower with HP Sure View or touch screen.

 25 For full Intel® VPro® functionality, Windows 10 Pro 64 bit, a VPro supported processor, vPro enabled wired LAN and \(\textit{b}\) in VEA. The Actual brightness additio

- See http://intel.com/vpro
- Seenhttp://intelt.com//pro
 27 HP Sure Run Gen 3 is available on select Windows 10 Pro or Enterprise based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors.
 28 Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming media players that also support Miracast. You can use Miracast to share what you're doing on your PC and present a slide show. Form http://windows.microsoft.com/en-us/windows-8/project-wireless-screen-miracast.
 29 Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming media players that also support Miracast. You can use Miracast to share what you're doing on your PC and present a slide show. Form http://windows.microsoft.com/en-us/windows-8/project-wireless-screen-miracast.
 29 HP performanceAdvisor Software- HP PerformanceAdvisor is ready and waiting to help you get the most out of your HP Workstation from day one—and every day after. Learn more or download at:
 https://www8.hp.com/us/en/workstations/performance-advisor.html

- https://www8.hp.com/us&n/workstations/performance-advisor.html
 30 HP Manageability integration kit can be downloaded from http://www8.hp.com/us&n/ads&lientmanagement.bverview.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/kompany/legal/agreements/computrace-agreement. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Deleteservice, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one ormore RSA SecurD tokens from Absolute Software. If utilized is not some significant of the province of the provi

- IOS 12 or higher with the IOS HP QuickDrop app.
 3* Security lock for security slot is sold separately.
 3* HP Support Assistant therefore access required.
 3* HP Connection Optimizer requires Windows 10.
 3* 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.
 3* HP Super Start Gen6 is available on select HP PCs and requires Windows 10.
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 3* HP Support Start Gen6 is available on select HP PCs and requires windows 10.
 3* HP Support Gen7 Start Gen7 St

- available on PC's with Intel Wi-FiModule.

 50 HP Sure Sense is available on select HP PCs and is not available with Windows 10 Home

- 50 HP Sure Senses is available on select HP PCs and is not available with Windows 10 Home.

 15 Storage slot 1 can support up to PCe lead of speeds is croage slot 2 can support up to PCe lead 3 and fend drives.

 15 Storage slot 1 can support both PCle Sen 3 and Sen 4 drives.

 15 Requires an Intel® Pro®, 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.

 15 The requires Windows 10. Some features require optional subscription to Tile Premium. Ring feature not available on HP ZBook Power GB. Tile application for Windows 10 available for download from the Windows Store. Mobile phone app available for download from App Storeand Googo ele Play. Requires IOS 11 and greater or Android 6.0 and greater see https://support. the tileapp.com/hc/en-us/articles/200424778 for more information. HP Tile will function as long as the PC has battery power.

 15 StuperSpeed USB 20C6pps is not available with Thunderbolt™ 4 and USB4™ maximum speed of 40G6pbs will be divided between the different data workstreams.

 15 SuperSpeed USB 20C6pps is not available with Thunderbolt™ 4 and USB4™ maximum statistic vollects the telement ynceressary 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.

Sign up for updates hp.com/go/getupdated

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