

HP ZBook Power 16 inch G11 A Mobile Workstation PC

Step up performance. Not size.



Upgrade to professional ZBook performance and security at an unbelievably affordable price. Power up your productivity on this durable yet premium device—delivering enhanced collaboration features and pro-grade components to run pro software apps for CAD, 3D conceiving, modeling, rendering and more.

Power through professional workflows

Tackle your biggest projects and blaze through 3D modeling and rendering workloads with a next gen AMD Ryzen™ PRO processor¹ and choice of NVIDIA® discrete GPU.² Eliminate slowdowns and take-on serious multitasking with 64GB memory³ and 8TB storage.⁴

Durable with a premium touch

With an all-aluminum chassis and MIL-STD 810 durability,⁵ this laptop is tough enough to last with a distinctly premium touch. See more screen with a narrow bezel and get smooth motion with a 120Hz refresh rate on the 2K QHD display.⁶

Connect. Communicate. Collaborate

Collaborate effectively on ZBook Power with a high quality 5MP camera², AI Noise Suppression software⁸ to block background noises, a long-lasting battery¹⁰, and Wi-Fi6E⁹ for a reliable internet connection.

Help protect our shared future with PCs that drive towards increasing sustainability

At HP, we care about the impact our products have on our people, communities, and the planet. That's why this device is EPEAT® Gold registered¹² and the outer box packaging is 100% sustainably sourced¹³.



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Windows 11

Work without compromising on performance with Windows 11¹⁴ combined with HP's collaboration and security technology.

AMD Ryzen™ PRO processor

Improve productivity and multitasking with an AMD Ryzen™ PRO processor² with integrated Radeon™ PRO graphics and AMD Ryzen™ AI – enabling the next era of AI experiences with incredible battery life, speed, and quiet operation.

NVIDIA® Graphics

Power through projects with option for up to NVIDIA RTX™ 3000 Ada Generation Laptop GPU,² certified for pro-apps.

Lightning-Fast Storage

Blitz through multiple tasks and ditch external drives with up to 8 TB local NVMe storage.¹⁵

Smart Power Management²¹

HP Smart Sense²² intelligently optimizes your PC's thermal and power management based on your usage. Select full performance mode when completing demanding tasks to maximize performance.

Large Memory Configurations

Power through projects with up to 64 GB RAM² for fast editing and design.

2K QHD 120Hz Display

Get lost in the captivating definition and ultra-sharp details. The 2560 x 1600 resolution transforms your content for a remarkable viewing experience and with a 120Hz refresh rate get smooth motion for high-speed videos.^{2,16,20}

HP Fast Charge

Long battery life gets you through a day of meetings without plugging in. Quickly recharge your PC with HP Fast Charge. You'll get up to 50% battery life in just 30 minutes of charging.¹⁷

AI Noise Suppression

Collaborate with confidence with advanced features like AI Noise Suppression⁸ to suppress background noise for crisp, clear calls.

HP Wolf Security

HP Wolf Security for Business¹⁸ requires Windows 10 or higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features and OS requirement.

Wi-Fi 6E

Get a fast and reliable connection in dense wireless environments with Wi-Fi 6E.¹⁹

Independent Software Vendor Certifications

Strenuously tested to meet ISV certifications and deliver superb performance and support with leading software providers.



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Specifications Table

Available Operating Systems	Windows 11 Pro ¹ Windows 11 Home ¹ Windows 11 Home Single Language ¹ Windows 11 Enterprise ¹ Ubuntu 24.04 LTS Ubuntu 22.04 LTS FreeDOS 3.0
Processor family^{2,3,5}	Next-Gen AMD Ryzen™ Processor for mobile
Available Processors^{2,3,4,5}	AMD Ryzen™ 9 Pro 8945HS with Radeon™ Graphics (4.0 GHz base clock, up to 5.2 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) AMD Ryzen™ 5 8645HS with Radeon™ Graphics (4.3 GHz base clock, up to 5.0 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads) AMD Ryzen™ 7 8845HS with Radeon™ Graphics (3.8 GHz base clock, up to 5.1 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) AMD Ryzen™ 9 8945HS with Radeon™ Graphics (4.0 GHz base clock, up to 5.2 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) AMD Ryzen™ 5 Pro 8645HS with Radeon™ Graphics (4.3 GHz base clock, up to 5.0 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads) AMD Ryzen™ 7 Pro 8845HS with Radeon™ Graphics (3.8 GHz base clock, up to 5.1 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads)
Maximum memory	64 GB DDR5-5600 non-ECC SDRAM ⁷ Transfer rates up to 5600 MT/s.
Memory slots	2 SODIMM; supports dual channel ^{8,10,32}
Internal storage	512 GB up to 2 x 4 TB PCIe® Gen4 x4 NVMe™ M.2 2280 TLC SSD ⁷ 256 GB up to 512 GB PCIe® Gen4 x4 NVMe™ M.2 2280 TLC SED OPAL 2 SSD ⁷ 512 GB up to 1 TB PCIe® Gen4 x4 NVMe™ M.2 2280 SSD ⁷
Display size (diagonal, metric)	40.6 cm (16")
Display^{11,21,23,24}	
Available Graphics	Integrated: AMD Radeon™ Graphics Discrete: NVIDIA RTX™ 3000 Ada Generation Laptop GPU (8 GB GDDR6 dedicated) NVIDIA RTX™ 2000 Ada Generation Laptop GPU (8 GB GDDR6 dedicated) NVIDIA RTX™ 1000 Ada Generation Laptop GPU (6 GB GDDR6 dedicated)
Audio	Audio by Poly Studio, dual stereo speakers, HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio ⁴⁵
Memory card device	1 smart card reader (select models); 1 SD card reader (optional); Nano SIM card slot (optional)
Ports and connectors	Left side: 1 USB Type-A 5Gbps signaling rate (charging); 1 HDMI 2.1; 1 headphone/microphone combo; 1 power connector; 2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1) ; Right side: 1 USB Type-A 5Gbps signaling rate; 1 RJ-45; 1 SD 4.0 card reader; 1 nano security lock slot; 1 SIM card slot ⁶



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Keyboard	HP Premium Quiet Keyboard, spill-resistant, full-size, backlit, keyboard with a Programmable Key and numeric keypad
Mouse	ClickPad Mylar with multi-touch gesture support, taps enabled as default; Microsoft Precision Touchpad with gesture support
Communications	LAN: Realtek RTL8111HSH-CG GbE; Realtek RTL8111EPP GbE ¹² ; WLAN: Realtek Wi-Fi 6E RTL8852CE 802.11a/b/g/n/ax (2x2) and Bluetooth® 5.3 wireless card; MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card ¹³ ; WWAN: HP 4000 4G LTE Advanced Pro ¹⁰ ; LPWAN: Qualcomm® 9205 LTE Cat-M1 Modem (no internet) ²⁷ : Optional Near Field Communication (NFC) module
Camera	FHD camera; 5 MP IR camera ^{17,18}
Software	Adobe offer ¹⁵ ; Bing search for IE11; Buy Microsoft Office (sold separately); HP Connection Optimizer ³⁶ ; HP Easy Clean ²⁸ ; HP Easy Clean Keyboard Driver; Hotkey support; HP MAC Address Manager; HP Notifications; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Power Manager ⁴⁸ ; HP Privacy Settings; myHP ²⁹ ; HP Smart Support ⁹ ; HP Support Assistant ³⁵ ; HSA Fusion for Commercial; Copilot in Windows with Copilot key ¹⁴
Security management	HP Client Security Manager ³⁴ ; HP Sure Admin ⁴⁷ ; HP Sure Click ¹⁹ ; HP Sure Recover Gen6 ⁴⁹ ; HP Sure Run Gen5 ⁴⁴ ; HP Sure Sense ⁵⁰ ; HP Sure Start Gen7 ³⁸ ; HP Tamper Lock ³⁹ ; Secured-Core PC Enable; Windows Hello Enhanced Sign-in Security (ESS) Enable
Management features	HP Client Catalog (download); HP Client Management Script Library (download); HP Cloud Recovery ⁴⁶ ; HP Connect for Microsoft Endpoint Manager; HP Driver Packs (download); HP Image Assistant Gen5 (download); HP Manageability Integration Kit (download) ³⁰ ; HP Patch Assistant (download) ⁴³
Power	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 12 hours (discrete graphics); Up to 16 hours (integrated graphics) ⁵⁴
Dimensions	35.94 x 25.1 x 2.29 cm; (Dimensions vary by configuration); 552 x 69 x 345 mm (Package)
Weight	Starting at 2.04 kg; (Weight varies by configuration and components.)
Ecolabels	EPEAT® registered configurations available ⁴¹
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Low halogen; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 60% post-consumer recycled plastic ^{42,51,52}



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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. AMD's numbering is not a measurement of clock speed.

² Optional feature that must be configured at purchase.

³ Up to 64GB memory is an optional, configurable feature.

⁴ For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of system disk (for Windows) is reserved for system recovery software. Optional feature that must be configured at purchase.

⁵ Testing is not intended to demonstrate fitness of U.S. Department of Defense (DoD) contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

⁶ Optional feature that must be configured at purchase.

⁸ AI Noise Suppression is delivered automatically through Windows update or can be downloaded from <https://support.hp.com/us-en/drivers>. Requires Windows 10 or higher, compatible with internal PC speakers, microphone and analog headsets. The AI Noise Suppression setting can be configured through the Application HP Audio Control.

⁹ Wi-Fi 6E is an optional feature that must be configured at purchase. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 6E is supported.

¹⁰ Battery life will vary depending on the product model, configuration, loaded applications, features, use, wireless functionality and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See MobileMark25 battery benchmark <https://bapco.com/products/mobilemark-2018/> or <https://bapco.com/products/mobilemark-25/> for additional details.

¹¹ Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.

¹² Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.

¹⁴ 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 enabled. High speed internet and Microsoft account required. ISP fees may apply, and additional requirements may apply over time for updates. See <http://www.windows.com>.

¹⁵ Optional feature that must be configured at purchase. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of system disk (for Windows) is reserved for system recovery software. Optional feature that must be configured at purchase.

¹⁶ Quad high-definition (QHD) content is required to view QHD images.

¹⁷ Recharges your battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.

¹⁸ HP Wolf Security for Business requires Windows 10 or higher, includes various HP security features and is available on HP Pro, Elite and Workstation products. See product details for included security features.

¹⁹ Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 6E is supported.

²⁰ All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

²¹ HP Power Manager requires Windows 10 and higher can be downloaded from the Microsoft store.

²² HP Smart Sense requires Windows 10 or higher.

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 enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.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, branding and/or naming is not a measurement of higher performance. (AMD's numbering is not a measurement of clock speed. Qualcomm's numbering is not a measurement of clock speed.)

³ Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

⁴ Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.

⁵ In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>.

⁶ HDMI 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 HP Smart Support requires the HP Insights agent to be installed. For Gen 9 and earlier HP commercial devices, customer must manually download at <http.com/active-care> or by providing consent at the time of your hardware's first boot, which enables HP to install the HP Insights Agent to collect information related to the Device. For HP commercial Gen 10 and higher devices, HP Services Scan is provided thru Windows Update and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased and, will download applicable software automatically. To disable this feature, please follow the instructions at

<http://www.hpdaas.com/requirements>. The HP Insights agent is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP follows stringent GDPR privacy regulations and is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access with connection to portal is required. For full system requirements, please visit <http://www.hpdaas.com/requirements>.

¹⁰ Maximum memory capacities assume Windows 64-bit operating systems.

¹¹ HP Sure View Reflect integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.

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 infrastructure is required.

¹³ Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, and Windows 10 to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported.

¹⁴ Requires Windows 11 and an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Copilot in Windows is not available, the Copilot key will lead to the Bing search engine. See <http://aka.ms/WindowsAIFeatures>.

¹⁵ Click on Adobe icon in the start menu to take advantage of a 30 day trial membership of select Adobe software. The software is tied to the device and is not transferrable. You may also choose to enter your payment details to auto-renew and continue to use the software beyond the 30 day trial. See Adobe for complete details.

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

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

¹⁹ HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.

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

²¹ QHD content required to view QHD images.

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

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

²⁷ Cat M1 LPWAN (Mobile Narrowband) cards support select platforms with the HP Protect & Trace with Wolf Connect service, but do not support mobile broadband/Internet use.

²⁸ HP Easy Clean requires Windows 10 RS3 and higher and will disable the keyboard, touchscreen, and clickpad only. Ports are not disabled. See user guide for cleaning instructions.

²⁹ myHP requires Windows OS.

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

³² 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.

³⁴ HP Client Security Manager Gen7 requires Windows and is available on the select HP Elite and Pro PCs.

³⁵ HP Support Assistant Internet access required.

³⁶ HP Connection Optimizer requires Windows 10.

³⁷ HP 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 Sure Start is available on select HP PCs and requires Windows 10 and higher.

³⁹ HP Tamper Lock must be enabled by the customer or your administrator.

⁴⁰ Actual battery Watt-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®. EPEAT® status varies by country. Visit www.epeat.net for more information.

⁴² External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.

⁴³ HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>.

⁴⁴ HP Sure Run is available on select HP PCs and requires Windows 10 and higher.

⁴⁵ Dual-microphone array when equipped with optional webcam and optional world facing microphone.

⁴⁶ Connect for Microsoft Endpoint Manager is available from the Azure Market Place for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager required and sold separately. Network connection required.

⁴⁷ HP Sure Admin requires Windows 10 or higher, HP BIOS, HP Manageability Integration Kit from <http://www.hp.com/go/clientmanagement> and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.

⁴⁸ HP Power Manager requires Windows 10 and higher and can be downloaded from the Microsoft Store.

⁴⁹ HP Sure Recover Gen6 is available on select HP PCs and requires an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. Network based recovery using Wi-Fi is only available on PCs with Intel Wi-Fi Module.

⁵⁰ HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.

⁵¹ Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.

⁵² 100% outer box packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic.

⁵⁴ Battery life will vary depending on the product model, configuration, loaded applications, features, use, wireless functionality and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See MobileMark25 battery benchmark <https://bapco.com/products/mobilemark-2018/> for additional details.

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May 2024

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