

HP ZBook Power 15.6 inch G9 Mobile Workstation PC Wolf Pro Security Edition (6B8G5EA)



Pro-certified power within reach

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 seamlessly run leading professional software applications.



HP recommends Windows 11 Pro for business

Power through professional workflows

Blaze through 3D workloads with an integrated or discrete GPU,[3] Intel® CPU,[1] and large memory configurations.

Durable all-aluminum chassis

This PC is built to last. It's designed to withstand rigorous military standard testing[6] and sanitization.[7]

Connect. Communicate. Collaborate

Collaborate effectively from anywhere with ZBook Power. The 720p HD camera offers improved image quality and AI enhanced audio software[11] blocks background noises so you can connect from any location with a more personal experience.

Featuring

Windows 11

Work anywhere without compromising on performance or security with Windows 11 powered by HP's collaboration and connectivity technology.

Intel® Core™ i7 processor

Run several CPU-heavy programs simultaneously without sacrificing performance with an Intel® Core™ i7 processor. [1]

15.6" (39.6 cm) Diagonal FHD Display

Get clear and sharp visuals in full high definition. Comfortably work without reflections on an anti-glare screen.

HP Z Turbo Drive High-speed Storage

Work without limits in any location with local PCIe storage that's up to 6x faster than SATA SSD, and up to 21x faster than traditional HDD storage. [2]

HP Collaboration Keyboard

Launch and manage calls from anywhere using Skype® with HP Noise Cancellation and the world-facing third microphone. Shortcut keys, including start/stop call, calendar and screen share, enable efficient and effective collaboration. [4]

Specifications

Operating system	Windows 11 Pro
Processor family	12th Generation Intel® Core™ i7 processor
Processor	Intel® Core™ i7-12700H (up to 4.7 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 14 cores, 20 threads)
Memory	16 GB DDR5-4800 MHz RAM (1 x 16 GB)
Memory Slots	2 SODIMM; supports dual channel
Internal Storage	512 GB PCIe® NVMe™ TLC SSD
Graphics	Discrete
Graphics (discrete)	NVIDIA® Quadro® T600 (4 GB GDDR6 dedicated)
Graphics	Integrated
Graphics (integrated)	Intel® Iris® X® Graphics
Display	39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 400 nits, 72% NTSC
Display	15.6" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 400 nits, 72% NTSC ^[14,21,23,24]
Display size (diagonal)	39.6 cm (15.6")
Audio	HP Audio, dual stereo speakers, dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio
Minimum dimensions (W x D x H)	35.94 x 23.39 x 2.28 cm
Weight	Starting at 1.93 kg (Weight varies by configuration and components.)
Keyboard	HP Premium Collaboration Keyboard – spill-resistant, full-size, backlit keyboard with DuraKeys and numeric keypad
Camera	720p HD IR camera
Ports	1 USB Type-A 5Gbps signaling rate (charging); 1 HDMI; 1 RJ-45 ^[6]
Ports	1 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 2 SuperSpeed USB Type-A 5Gbps signaling rate (charging)
Package dimensions (W x D x H)	552 x 69 x 345 mm
Wireless	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)
Power	150 W Slim Smart external AC power adapter ^[20]
Battery type	HP Long Life 6-cell, 83 Wh Li-ion polymer
Ecolabels	TCO Certified
Energy star certified	ENERGY STAR® certified
Management features	HP Power Manager ^[33]
Sustainable impact specifications	Low Halogen; 40% post-consumer recycled plastic; 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; Ocean-bound plastic in speaker enclosure(s)
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 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 ^[19,22,27,30,31,34,38,47,49,50,53]
Software included	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; HP Auto Lock and Awake ^[15,26,35,39]
UPC number	197029464859
Manufacturer 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.

Top Recommended Displays, Accessories and Services

Z Displays

HP Z34c G3 WQHD Curved Display	30A19AA
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Docking Stations

HP Thunderbolt Dock 280W G4 w/Combo Cable	4J0G4AA
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Cases

HP Renew Executive 16-inch Laptop Bag	6B8Y2AA
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Mice

HP 435 Multi-Device Wireless Mouse	3B4Q5AA
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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] For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB (for Windows 10) of system disk is reserved for system recovery software.
- [3] Optional, configurable feature that must be configured at purchase.
- [4] Skype requires Internet access and is not available in China.
- [6] 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.
- [7] Select household wipes can be safely used to clean HP Elite and Workstation PCs up to 1,000 wipes: See wipe manufacturer's instructions for disinfecting and the HP cleaning guide for HP tested wipe solutions at How to Sanitize Your HP Device Whitepaper (<http://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW>). Not applicable to HP Elite c1030 Chromebook.
- [11] DNN Noise Reduction 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 DNN Noise Reduction setting can be configured through the Application HP Audio Control.

Technical Specifications Footnotes

- [6] 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.
- [14] HD camera feature, InfraRed feature, IPS Anti-reflection Touchscreen feature are based on the selection of display.
- [15] 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 floating license per simultaneously executing versions and purchase of ZCentral Remote Boost Software Support is required. ZCentral Remote Boost Sender for non-Z Hardware requires a license and Windows 10, RHEL/CentOS (7 or 8), or UBUNTU 18.04 or 20.04 LTS operating systems. macOS (10.14 or newer) operating system and ThinPro 7.2 are only supported on the receiver side. Requires network access. The software is available for download at hp.com/ZCentralRemoteBoost.
- [19] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_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 Gen6 features may vary depending on the platform and configuration.
- [23] Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- [26] 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.
- [27] HP Sure Run Gen3 is available on select HP PCs and requires Windows 10 and higher.
- [30] HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/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 null 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.
- [33] Manage and monitor your battery's performance and condition and customize charging options with the easy-to-use HP Power Manager dashboard.
- [34] Security lock for security slot is sold separately.
- [35] 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. For more information: <http://windows.microsoft.com/en-us/windows-8/project-wireless-screen-miracast>.
- [38] HP Sure Start Gen6 is available on select HP PCs and requires Windows 10 and higher.

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