

# HP ZBook Power 15.6 inch G10 Mobile Workstation PC (977F9LT)



## 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 run pro software apps for CAD, 3D concepting, modeling, rendering and more.



HP recommends Windows 11 Pro for business

### Power through professional workflows

Blaze through 3D workloads with an integrated or discrete GPU,[1] Intel® CPU,[2] and large memory configurations.

### Durable all-aluminum chassis

Designed to pass rigorous military standard testing[6] this PC is built to last with a distinctly premium touch.

### Connect. Communicate. Collaborate

Work and collaborate effectively on the go with long lasting battery, AI Noise Suppression software[8] to block distracting background noises, and a device that's powerful enough to run professional software applications.

## Featuring

### Windows 11

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

### Intel® Core™ i9 processor

Get high-end performance for intensive tasks like rendering and video editing with the Intel® Core™ i9 processor. [3]

### 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. [4]

### Spill-resistant Keyboard

Accidents happen - which is why we designed our keyboard with a drain hole, so minor spills flow out the bottom for easy cleanup.

## Specifications

<b>Operating system</b>	Windows 11 Pro <sup>[1]</sup>
<b>Processor family</b>	13th Generation Intel® Core™ i9 processor
<b>Processor</b>	Intel® Core™ i9-13900H (up to 5.4 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 14 cores, 20 threads) [6,7]
<b>Memory</b>	16 GB DDR5-5200 MHz RAM (1 x 16 GB)
<b>Memory Slots</b>	2 SODIMM; supports dual channel
<b>Internal Storage</b>	1 TB PCIe® Gen4 NVMe™ TLC M.2 SSD
<b>Graphics</b>	Discrete
<b>Graphics (discrete)</b>	NVIDIA RTX™ A1000 Laptop GPU (6 GB GDDR6 dedicated)
<b>Graphics</b>	Integrated
<b>Graphics (integrated)</b>	Intel® Iris® X <sup>e</sup> Graphics
<b>Display</b>	39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, anti-glare, 250 nits, 45% NTSC
<b>Display</b>	15.6" diagonal, FHD (1920 x 1080), IPS, anti-glare, 250 nits, 45% NTSC <sup>[21,23,24]</sup>
<b>Display size (diagonal)</b>	39.6 cm (15.6")
<b>Display size (diagonal)</b>	15.6"
<b>Audio</b>	HP Audio, dual stereo speakers, dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio
<b>Minimum dimensions (W x D x H)</b>	35.94 x 23.39 x 2.28 cm
<b>Minimum dimensions (W x D x H)</b>	14.15 x 9.21 x 0.9 in
<b>Weight</b>	Starting at 2 kg (Weight varies by configuration and components.)
<b>Weight</b>	Starting at 4.43 lb (Weight varies by configuration and components.)
<b>Keyboard</b>	HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad
<b>Pointing device</b>	ClickPad Glass with multi-touch gesture support, taps enabled as default
<b>Camera</b>	5MP HD IR camera
<b>Ports</b>	1 RJ-45; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 nano security lock slot
<b>Ports</b>	1 power connector; 1 headphone/microphone combo; 1 Thunderbolt™ 4 with USB4 Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 SuperSpeed USB Type-A 5Gbps signaling rate (charging)
<b>Package dimensions (W x D x H)</b>	552 x 69 x 345 mm
<b>Wireless</b>	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, vPro®
<b>Power</b>	150 W external AC power adapter <sup>[20]</sup>
<b>Battery type</b>	HP Long Life 6-cell, 83 Wh Li-ion polymer
<b>Ecolabels</b>	TCO Certified
<b>Energy star certified</b>	ENERGY STAR® certified
<b>Sustainable impact specifications</b>	Low Halogen
<b>Security management</b>	HP Device Access Manager; HP Power On Authentication; HP Security Manager; 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 Client Security Suite Gen6; HP Sure Start Gen6; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core <sup>[19,22,27,30,31,34,38,47,49,50,53]</sup>
<b>Software included</b>	Bing search for IE11; 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 PC Hardware Diagnostics; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence <sup>[15,28,29,33,35,36,39]</sup>
<b>UPC number</b>	(ABM) 197961073485; (AC8) 197961086089; (AKH) 197961086065

Top Recommended Displays, Accessories and Services

**Z Displays**

HP Z34c G3 WQHD Curved Display	30A19AA
HP Z32k G3 4K USB-C Display	50U19AA
HP Z24m G3 QHD Conferencing Display	4Q8N9AA

**Docking Stations**

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

HP Renew Business 17.3-inch Laptop Backpack	3E2U5AA
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**Cases**

HP Renew Executive 16-inch Laptop Bag	6B8Y2AA
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**Wireless Keyboards**

HP 455 Programmable Wireless Keyboard	4R177AA
HP 475 Dual-Mode Wireless Keyboard	7N7B9AA
HP 975 Dual-Mode Wireless Keyboard	3Z726AA

**Wireless Mice**

HP 695 Rechargeable Wireless Mouse	8F1Y4AA
HP 925 Ergonomic Vertical Mouse	6H1A5AA

## Messaging Footnotes

- [1] Optional feature that must be configured at purchase.
- [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. Optional feature that must be configured at purchase.
- [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, branding and/or naming is not a measurement of higher performance.
- [4] 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.
- [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.
- [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. 10. 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.

## 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>.
- [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.
- [7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.
- [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.com/us-en/document/c05115630>.
- [19] HP Sure Click requires Windows 10. See [https://bit.ly/2PrLT6A\\_SureClick](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.
- [22] HP BIOSphere Gen6 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 capability, and resolution and color depth settings.
- [24] Actual brightness will be lower with HP Sure View or touch-screen.
- [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. For more information: <http://windows.microsoft.com/en-us/windows-8/project-wireless-screen-miracast>.
- [29] HP Performance Advisor 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>.
- [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] Select HP Products are enhanced with HP Presence. Features vary by platform. HP conferencing features require Windows and the latest myHP app, available over the air or for download via sofaq on the HP Support website. Planned availability in spring 2023.
- [34] Security lock for security slot is sold separately.

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