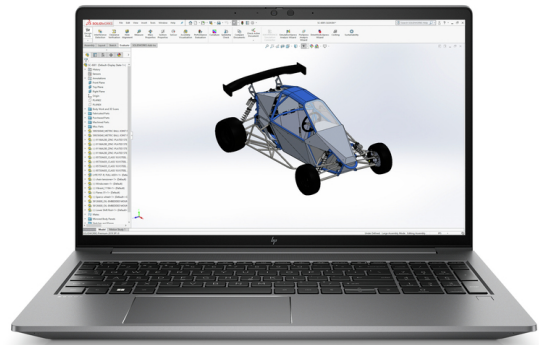# HP ZBook Power 15.6 inch G9 Mobile Workstation PC

## 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.



*Product image may differ from actual product

HP recommends Windows 11 Pro for business

### Power through professional workflows

- Tackle your biggest projects and blaze through 3D modeling workloads with up to an NVIDIA RTX™ A2000 Laptop GPU.[3] Eliminate slowdowns and take-on serious multitasking with up to an Intel® Core™ i9 vPro® processor,[1,2,3] 64GB memory[4] and 8TB storage.[3,5]

### Durable with a premium touch

- With an all-aluminum chassis and MIL-STD 810 durability,[6] this mobile workstation is tough enough to last, with a distinctly premium touch. See more screen, in mesmerizing clarity, with a narrow bezel 4K UHD display that makes project details pop.[2]

### Connect. Communicate. Collaborate

- Collaborate effectively from anywhere with up to 16-hours of battery life,[8] a 720p HD camera, and AI enhanced audio software[11] that blocks background noises. And, with next-gen Wi-Fi 6E get a fast, reliable connection—even in dense Wi-Fi® environments.[9,10]

### Certified, secured and supported

- Get peace of mind with a serviceable, high-performance PC that's certified to work with professional apps and comes with HP Wolf Security for Business—protecting below, in and above the OS.[12] Simplify fleet-wide rollouts with optional management tools.

- Work anywhere without compromising on performance or security with Windows 11[13] powered by HP's collaboration and connectivity technology.

- Blitz through multiple tasks and ditch external drives with up to 8 TB local NVMe storage[5,14]

- Power through projects with up to 64 GB RAM[4] for fast editing and design.

- Power through projects with up to NVIDIA® A2000 laptop GPU,[3] certified for pro-apps.

- Take multitasking to the next level with up to Intel® Core™ i9 vPro® processors[1,2,3] designed to handle complex, multithreaded apps.

- Designed for ultimate durability, this ZBook undergoes brutal MIL-STD 810H[6] tests to help ensure this PC keeps rolling through your workday.

- HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense. From the BIOS to the browser, above, in, and below the OS, these constantly evolving solutions help protect your PC from modern threats.[12]

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

- Get a fast and reliable connection in dense wireless environments with Wi-Fi 6E.[10]

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

- Connect to everything you need with a wide-range of connectivity options: multiple USB 3.1 Type-A ports, Thunderbolt™ 4 with USB Type-C®,[15] HDMI 2.0,[16] Smart Card Reader, and headphone/microphone combo jack.

- Plug in to greater connectivity at your desktop with the optional HP Thunderbolt Dock for lightning-fast ThunderboltTM 4[15,17] transfers and the flexibility to run up to two external 4K displays.[18,19]

# HP ZBook Power 15.6 inch G9 Mobile Workstation PC Specifications Table



*Product image may differ from actual product

| | |
|---|---|
| Available Operating Systems | Windows 11 Pro[1]<br>Windows 11 Pro Education[1]<br>Windows 11 Home – HP recommends Windows 11 Pro for business[1]<br>Windows 11 Home Single Language – HP recommends Windows 11 Pro for business[1]<br>FreeDOS 3.0 |
| Processor family[2,3,4,5,25] | 12th Generation Intel® Core™ i5 processor; 12th Generation Intel® Core™ i7 processor; 12th Generation Intel® Core™ i9 processor |
| Available Processors[2,3,4,5,16,25] | Intel® Core™ i9-12900HK with Intel® UHD Graphics (1.8 GHz E-core base frequency, 2.5 GHz P-core base frequency, up to 3.8 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads); Intel® Core™ i9-12900H with Intel® UHD Graphics (1.8 GHz E-core base frequency, 2.5 GHz P-core base frequency, up to 3.8 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads), supports Intel® vPro® Technology; Intel® Core™ i7-12800H with Intel® UHD Graphics (1.8 GHz E-core base frequency, 2.4 GHz P-core base frequency, up to 3.7 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads), supports Intel® vPro® Technology; Intel® Core™ i7-12700H with Intel® UHD Graphics (1.7 GHz E-core base frequency, 2.3 GHz P-core base frequency, up to 3.5 GHz E-core Max Turbo frequency, up to 4.7 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads), supports Intel® vPro® Technology; Intel® Core™ i5-12600H with Intel® UHD Graphics (2.0 GHz E-core base frequency, 2.7 GHz P-core base frequency, up to 3.3 GHz E-core Max Turbo frequency, up to 4.5 GHz P-core Max Turbo frequency, 18 MB L3 cache, 4 P-cores and 8 E-cores, 16 threads), supports Intel® vPro® Technology; Intel® Core™ i5-12500H with Intel® UHD Graphics (1.8 GHz E-core base frequency, 2.5 GHz P-core base frequency, up to 3.3 GHz E-core Max Turbo frequency, up to 4.4 GHz P-core Max Turbo frequency, 18 MB L3 cache, 4 P-cores and 8 E-cores, 16 threads) |
| Maximum memory | 64 GB DDR5-4800 non-ECC SDRAM [7]<br>Transfer rates up to 4800 MT/s. |
| Memory slots | 2 SODIMM; supports dual channel[8,9,10] |
| Internal storage | 256 GB up to 4 TB PCIe® Gen4 NVMe™ M.2 SSD[11,52]<br>256 GB up to 512 GB PCIe® Gen4 NVMe™ M.2 SED SSD[11]<br>up to 8 TB PCIe® Gen4 x2 NVMe™[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, 4K UHD (3840 x 2160), IPS, narrow bezel, anti-glare, 400 nits, low power, 100% sRGB [14,21,23,24] |
| Available Graphics | Integrated: Intel® Iris® X® Graphics[16,32]<br>Discrete: NVIDIA RTX™ A1000 Laptop GPU (4 GB GDDR6 dedicated); NVIDIA RTX™ A2000 Laptop GPU (8 GB GDDR6 dedicated); NVIDIA® T600 Laptop GPU (4 GB GDDR6 dedicated)<br>(Discrete graphics options planned to be available at a later date and require factory configuration at the time of hardware purchase.) |
| Audio | HP Audio, dual stereo speakers, 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) |
| Ports and Connectors | Left side: 2 SuperSpeed USB Type-A 5Gbps signaling rate (charging)[6] ;<br>Right side: 1 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 3 SuperSpeed USB Type-A 5Gbps signaling rate (charging)[28,55] |
| 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 6E AX211 (2x2) and Bluetooth® 5.2 M.2 combo, vPro®; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 M.2 combo, non-vPro® [12,13]; 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; HP Auto Lock and Awake; [15,26,35,39] |
| Available software | HP Smart Support[43] |
| 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] |
| Security Software Licenses | HP Wolf Pro Security Edition[56] |
| Fingerprint reader | Fingerprint reader (select models) |
| Management features | HP Power Manager[33] |
| 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 18 hours |
| Dimensions | 35.94 x 23.39 x 2.28 cm |
| Weight | Starting at 1.93 kg; (Weight varies by configuration and components.) |
| Ecolabels | EPEAT® registered configurations available[41] |
| Energy star certified (series fixed) | ENERGY STAR® certified |
| 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. |