HP ZBook Firefly 14 inch G9 Mobile Workstation PC



Step up performance. Not size.

Pro-level performance combines with true mobility in this amazingly sleek and powerful laptop. Stay productive wherever you're working with pro-grade graphics and processor, AI-enhancing webcam and audio, and a color-accurate display—everything you need to collaborate and manage projects anywhere.



*Product image may differ from actual product

Upgrade to pro-level performance

Say goodbye to lags and crashes with faster responsiveness on projects. With up to Intel[®] Core[™] i7
processors,¹ NVIDIA[®] T550 Laptop GPU² and up to 64GB of memory,³ open large files and run pro
apps simultaneously for speedy multitasking and productivity.

Work all day. Anywhere.

 Starting at 3.25 lbs,⁴ our most mobile ZBook is made to move. With up to 13-hours of battery life,⁵ the sleek yet durable device is small enough to fit in your bag so you can stay productive anywhere. This is high performance workstation power on the go.

Connect. Communicate. Collaborate.

Collaborate effectively wherever you go with ZBook Firefly. The AI enhanced auto-framing 5MP camera,⁶ discrete audio amps to block background noises and next-gen Wi-Fi 6E^{7,8} or 5G⁹ options let you connect from any location with a more personal experience.

Immerse in your work

- The more you can see, the more you can do. The 16:10 HP DreamColor display² with 100% DCI-P3 shows more vertical content and delivers vivid, always accurate color and detail. Now with a 120Hz refresh rate get smooth motion for high-speed videos.
- Work anywhere without compromising on performance or security with Windows 11¹¹ powered by HP's collaboration and connectivity technology.
- Move around a little without losing viewers' attention during video calls with HP Auto Frame.¹⁰ The
 camera and audio follow you or multiple presenters as they move within the camera's frame.
- Collaborate with confidence with advanced features like DNN Noise Suppression to suppress
 background noise for crisp, clear calls.
- Blitz through multiple tasks and ditch external drives with up to 2 TB local NVMe storage^{12,13}
- Power through projects with up to 64 GB RAM¹⁴ for fast editing and design.
- Power through projects with up to NVIDIA® T550 Laptop GPU,² certified for pro-apps.
- Bring your ideas to live quickly and effectively with a 12th gen Intel[®] Core™ processor.
- Get a fast and reliable connection in dense wireless environments with Wi-Fi 6E.⁸
- Connect almost anywhere with the ZBook Firefly with optional support for up to 5G wireless broadband technology with 4x4 antennas that can deliver fast download and upload speeds.⁹
- The more you can see, the more you can do. The 16:10 aspect ratio reduces the need to scroll by showing more vertical content than a 16:9 display. Now you can see more of your programs and apps you use every day.
- Eliminate the need to send yourself emails to move information between your devices. With the HP QuickDrop app, you can wirelessly transfer documents, photos, videos, and more between devices.¹⁶
- Help protect our shared future with PCs that drive towards increasing sustainability.

HP recommends Windows 11 Pro for business

HP ZBook Firefly 14 inch G9 Mobile Workstation PC Specifications Table



| Maximum memory | 64 GB DDR5-4800 non-ELC SDRAM % | |
|--------------------------------------|--|--|
| Memory slots | 2 SODIMM; supports dual channel | |
| Internal storage | 256 GB up to 2 TB PCIe® Gen4 x4 NVMe™ M.2 2280 TLC S5D ⁷ 256 GB up to 512 GB PCIe® Gen4 x4 NVMe™ M.2 2280 TLC SED OPAL 2 SSD ⁷ | |
| Display size (diagonal, metric) | 35.6 cm (14°) | |
| Display | 35.6 cm (14") diagonal, WQXGA (2560 x 1600), 120 Hz, IPS, anti-glare, 500 nits, 100% DCI-P3, HP DreamColor; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, 250 nits, 45% NTSC; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen ^{11,33,26,37} | |
| Available Graphics | Integrated: Intel [®] Iris [®] X [®] Graphics ^{27,28,32} Discrete: NVIDIA [®] T550 Laptop GPU (4 GB GDDR6 dedicated); NVIDIA RTX [™] A500 Laptop GPU (4 GB GDDR6 dedicated) ^{12,32} (Intel [®] Iris [®] & Graphics capabilities require system to be configured with Intel [®] Core [™] i5 or i7 processors and dual channel memory. Intel [®] Iris [®] Xe Graphics with Intel [®] Core [™] i5 or 7 processors and single channel memory will only function as UHD graphics.) | |
| Audio | Audio by Bang & Olufsen, dual stereo speakers, HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HE audio | |
| Memory card device | 1 smart card reader (select models) | |
| Ports and Connectors | Left side: 1 SuperSpeed USB Type-A SGbps signaling rate (charging); 1 HDMI 2.0b; 2 Thunderbolt™ 4 with USB4™ Type-C [®] 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); Right side: 1 headphone/microphone combo; 1 SuperSpeed USB Type-A SGbps signaling rate | |
| Input devices | HP Premium Quiet Keyboard – spill-resistant, full-size keyboard with drain and DuraKeys; HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys; Clickpad with multi-touch gesture support, taps enabled as default; Microsoft Precision Touchpad with gesture support; | |
| Communications | 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® ⁹ ; WWAN: Intel® XMM [™] 7560 LTE Advanced Pro Cat 16; Intel® 56 Solution 5000 ^{10,47} ; Optional Near Field Communication (NFC) module | |
| Camera | SMP Camera ^{13,14} | |
| Software | Bing search for IE11; Buy Office; CyberLink Power Media Player; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; HP ZCentral Remote Boost Software; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Setting HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP WorkWell; Tile M App (optional); ^{18,19,20,21,22,326,55} | |
| Security management | HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP BIOSphere Gen6; HP Sure Start Gen6; MS Bitlocker Encryption; HP Proactive Security; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Manager Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy shutter; HP Tamper Lock (select models); HP Sure View Reflect ^{24,25,29,31,32,33,34,08,24,34,445} | |
| Fingerprint reader | Fingerprint reader (select models) | |
| Management features | HP Power Manager ¹⁵ | |
| Power | HP Smart 65 W External AC USB Type-C [®] power adapter | |
| Battery type | HP Long Life 3-cell, 51 Wh Li-ion polymer | |
| Battery life | Up to 13 hours (integrated graphic configuration); Up to 11.5 hours (discrete graphics configuration) | |
| Battery recharge time | Supports battery fast charge: approximately 50% in 30 minutes | |
| Dimensions | 31.56 x 22.43 x 1.99 cm | |
| Weight | Starting at 1.47 kg; (Weight varies by configuration and components.) | |
| Ecolabels | EPEAT® registered configurations available ¹⁶ | |
| Energy star certified (series fixed) | ENERGY STAR® certified | |
| Sustainable impact specifications | Ocean-bound plastic in speaker enclosure; 40% post-consumer recycled plastic; External power supply 90% efficiency; Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable ^{17,51,52,53,54} | |
| Warranty | 3 year (3-3-0) limited warranty and service offering includes 3 years of parts and labor. Terms and conditions vary by country. Certain restrictions and exclusions apply. | |

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Accessories and services (not included)

| HP Renew Business 14.1-inch Laptop Bag | Now you can feel good about the bag you use to protect your laptop. Designed to keep your laptop protected and accessories organized, the Renew Business 14.1-inch Laptop Bag uses environmentally-responsible materials that are durable, easy to clean and designed for comfort. Product number: 3E5F9AA |
|--|---|
| HP Wireless Rechargeable 950MK Mouse and Keyboard | Experience clutter-free productivity, simple, streamlined connectivity, and fast out-of-the-box HP Link-5 plug and play setup with the elegant HP Wireless Rechargeable 950MK Mouse and Keyboard. Product number: 3M165AA |
| HP Stereo USB Headset G2 | Plug right in and get ready to speak and hear clearly all day. With noise-cancelling, comfortable design, and easy adjustment, your sound comfort will carry you from call to call without interference or frustration. Product number: 428K6AA |
| HP USB-C Travel Hub G2 | Easily expand your laptop's connectivity when working on the go with HP USB-C Travel Hub G2. ¹ Add an extra display ² and your accessories, charge your laptop and phone—all with one USB-C [™] cable connection. Product number: 7PJ38AA |

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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. Optional, configurable feature that must be configured at purchase. ² Optional, configurable feature that must be configured at purchase.

 ³ Up to 64GB memory is an optional feature that must be configured at purchase.
 ⁴ Lowest weight. Weight will vary by configuration.
 ⁵ Battery life will vary benchmark https://bapco.com/products/mobilemark-2018/ for additional details
 ⁶ Optional feature that must be configured at purchase.
 ⁶ Wi-Fi 6E is an optional feature that must be configured at purchase.
 ⁷ Wi-Fi 6E is an optional feature that must be configured at purchase.
 ⁸ 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. And available in countries where Wi-Fi 6E is supported.
 ⁹ Sci module is an optional feature that must be configured at purchase.
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 ⁹ Wi-Fi 6E router, sold 4defined by 3GPP requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Connection, uplead and download speeds will use due to consider back and bits or elect countries where graved back coverage to an availability in your area. Connection, uplead and download speeds will use due to coverage and availability in your area. Connection, uplead and download speeds will use due to coverage and vary due to network, location, environment, network conditions, and other factors. 5G not available on all products, in all regions. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select countries, where carrier supported.

Supported. ¹⁰ Requires the myHP application and Windows OS. ¹¹ 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. ¹² For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of system disk is reserved for system recovery software.

¹⁶ For Storage traves, op = 1 outvol cycles is a second second

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

http://www.support.hp.com

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⁶ 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 and/or namasurement of higher performance.
 ⁷ For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB (for Windows) is reserved for system recovery software.
 ⁸ 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.
 ⁹ Wi-Fi GE requires a Wi-Fi GE router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi GE is backwards compatibility with prior 802.11 specs. And available in countries where Wi-Fi GE is supported.
 ¹⁰ WWAN is an optional feature and requires factory configuration and separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and the for UCE storage of UCE storage of UCE storage of UCE storage.

other factors. 4G LTE not available on all products, and in all regions.

other factors. 4G LTE not available on all products, and in all regions. ¹¹ HD DreamColor Panel available in the Q2 2021 timeframe. ¹² Both UMA S Discrete configurations support 3 independent displays when on the HP UltraSlim Dock (sold separately) - Max. resolution = 2.5K @60Hz (DP1) & 2.5K @60Hz (DP2) & FHD (VGA), and support 3 independent displays when on the HP Thunderbolt Dock G2 Isold separately) - Max. resolution = 2.5K @60Hz (DP1) & 2.5K @60Hz (DP2) & FHD (VGA) OR 4K @60Hz (one DP Port) & 4K @60Hz (Type-C output port using a Type C-to-DP adapter). ¹³ HD content required to view HD images. ¹⁴ 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. ¹⁵ Manage and monitor your battery's performance and condition and customize charging options with the easy-to-use HP Power Manager dashboard. ¹⁶ EPEAT[®] registration wares by country. Searwice werver devices at suble by country. Searwice werver devices on HP's 3rd party option store for solar generator accessories at www.hp.com/go/options. ¹⁷ External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen. ¹⁸ HP Support Assistant - Requires Windows and Internet Access. ¹⁹ HP Zotent Remote Boost odes not come prienstaled on Z Workstations but can be downloaded and run on all Z desktop and laptops without license purchase. With non-Z sender devices, purchase of perpetual individual license or perpetual floating license per simultaneously executing versions and purchase of Zecentral Remote Boost Software is available of download at hp.com/ZecentralRemoteBoost. ²⁰ Web-only Support

²⁰ Web-only Support
²¹ Tile[™] requires Windows 10. Some features require optional subscription to Tile Premium. Ring feature not available on HP Elite G8 Laptops. Tile application for Windows 10 available for download from the Windows Store. Mobile phone app available for download ²¹ Tile¹⁴ requires Windows 10. Some features require optional subscription to Tile Prentium. Ring feature not available on HP Eitle GB Laptops. Tile application for Windows 10 available for download from App Store. Mobile phone app available for download from App Store and Google Pup. Requires IOS 11 and greater see thttps://support.thetiesp.com/bc/eu-us/articles2/Q0242778 for more information. HP Tile will function as long as the PC has battery power.
 ²³ 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.slicesoft.com/eu-us/windows-9/project-wireless-screen-miracast.
 ²³ HP Performance Advisor Software. Learn more or download at: https://www8.hp.com/us/en/workstations/performance-advisor.html
 ²⁴ HP Derformance Advisor Software. Learn more or download at: https://www8.hp.com/us/en/workstations/performance-advisor.html
 ²⁴ HP BiOSphere Gen6 features may vary depending on the platform and configuration.
 ²⁵ HP Sue Admin requires Windows and is available on the select HP Eitle and Pro PCs.
 ²⁶ HP Connection Optimizer requires Windows 10.
 ²⁷ Support HD decode, DX12, HDMI 14, HDCP 2.2 via DP up to 4K@ 60Hz and via HDMI up to 4K@ 30Hz
 ²⁸ Bev Connection Optimizer requires Windows 10.

⁴¹ Support HD decode, UN 12, HDMI 14, HDD 22, Via DU Up to 4K (@ 0H2 and Via HDMI up to

 ³² Secured-core PC requires an Intel[®] vPro[®] or AMD Ryzen[™] Pro processor. Requires 8 GB or more system memory. Secured-core PC functionality can be enabled from the factory.
 ³³ 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.
 ³⁴ HP Sure Serve is available on select HP PCs with Windows 10 Enterprise, Windows 11 Enterprise 0S.
 ³⁵ Sold separately or as an optional feature.
 ³⁷ Resolutions are dependent upon monitor capability, and resolution and color depth settings.
 ³⁸ HP Jure Serve for the methods outlined in the National Institute of Strandards and Technology Special Publication 800-688 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel[®] Optane[™].
 ⁴⁰ HP Sure Recover Gend with Ernbodo suttined in the National Institute of Strandards and Technology Special Publication 800-688 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel[®] Optane[™].
 ⁴² HP Sure Recover Gend with Ernbodo suttined in the National Institute of Strandards and Technology Special Publication 800-688 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel[®] Optane[™].
 ⁴² HP Sure Recover Gend with Ernbodod Reimaging is an optional feature which requires a supervisor password be established prior to use.
 ⁴⁴ HP Client Security Manager Gen7 requires Windows and is available on the Select HP Elts and Pro PCs.
 ⁴⁵ HP Sure State Gend Sandalbe on select HP CP Sand requires Windows and is available on the select HP Elts and Pro PCs.
 ⁴⁵ HP Sure State Gend Sandable on select HP CP Sand requires Windows and is available on the select HP Elts and Pro PCs.
 ⁴⁵ HP Sure State Gend Sandable on select HP CP Sand requires Windows and is available on the percentere windows and 4G LTE not available on all products, in all regions.

¹⁹ Web-only Support

⁴² Web-only Support
 ⁴³ Precretage of ocean-bound plastic contained in each component varies by product.
 ⁵⁴ Precretage of ocean-bound plastic contained in each component varies by product.
 ⁵⁴ Precretage of ocean-bound plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
 ⁵³ Fiber cushions made from 100% recycled wood fiber and organic materials.
 ⁵⁴ 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
 ⁵⁵ 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.

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