HP ZBook Firefly 14 inch G10 A Mobile Workstation PC

Up level performance. Not size

Pro-level performance combines with true mobility in this amazingly sleek and powerful laptop. Stay productive wherever you're working with integrated graphics and an AMD® processor, AI-enhanced webcam and audio, and a stunning display—everything you need to collaborate and manage projects anywhere.

Upgrade to pro-level performance

Say goodbye to lags and crashes with fast responsiveness on projects. With a next gen AMD Ryzen™ PRO Processor,[1] and 64GB of memory,[2] open large files and run pro apps simultaneously for speedy multitasking and productivity—while running quiet and cool.

Work all day.[4] Anywhere

Starting at 3.1 lbs,[3] our most mobile ZBook is made to move. With a long lasting battery,[4] 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,[5] AI Noise Suppression software[6] to block background noises and Wi-Fi 6E[7] or 5G options[8] let you seamlessly connect from almost anywhere.

Immerse in your work

Get complete color accuracy with a 16:10 HP DreamColor display[9] and see 11% more vertical content than a 16:9 aspect ratio display. Have confidence in what you see with 100% DCI-P3, and 120Hz refresh rate delivers smooth motion for high-speed videos.

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Windows 11
Work anywhere without compromising on performance or security with Windows 11[10] powered by HP's collaboration and connectivity technology.

AMD Ryzen™ PRO processor with Radeon™ Graphics
Improve productivity and multitasking with a next gen AMD Ryzen™ PRO processor[1] with integrated Radeon™ graphics, equipped to power through demanding professional software with long-lasting battery life.

Lightning-Fast Storage
Blitz through multiple tasks and ditch external drives with up to 2 TB local NVMe storage.[13]

Large Memory Configurations
Power through projects with up to 64 GB RAM[2] for fast editing and design.

HP DreamColor Display
Have confidence in what you see on screen with an optional HP DreamColor Display with 100% DCI-P3 color gamut and a 120Hz refresh rate you get smooth motion for high-speed videos.[9]

16:10 Aspect Ratio
The 16:10 aspect ratio reduces the need to scroll by showing 11% more vertical content than a 16:9 aspect ratio display. See more of your project without minimizing program menus or toolbars.

Easy Battery Management
Manage and monitor your battery's performance and condition and customize charging options with the easy-to-use HP Power Manager dashboard.[15]

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.[16]

HP Auto Frame
Move around without losing viewers' attention during video calls with HP Auto Frame.[5] Now with a wider field of view, the camera and audio follow as you move within the camera's frame.

Wi-Fi 6E
Get a fast and reliable connection in dense wireless environments with Wi-Fi 6E.[17]

Sustainability
Help protect our shared future with the world's most sustainable PC portfolio.[18]

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Specifications Table

Available Operating Systems	Windows 11 Pro[1] Windows 11 Pro Education[1] Windows 11 Home – HP recommends Windows 11 Pro for Business[1] Windows 11 Home Single Language – HP recommends Windows 11 Pro for Business[1] Windows 11 Pro (Windows 11 Enterprise available with a Volume Licensing Agreement)[1] Windows 11 Pro (preinstalled with Windows 10 Pro Downgrade)[1,2] FreeDOS[49]
Processor family[3,4,5,6]	Next-Gen AMD Ryzen™ Processor for mobile
Available Processors[3,4,5,6]	AMD Ryzen™ 5 Pro 7640HS 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 7840HS 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 Pro 7940HS with Radeon™ Graphics (4.0 GHz base clock, up to 5.2 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads)
Chipset	AMD integrated SoC
Maximum memory	64 GB DDR5-5600 non-ECC SODIMM [8,30]
Memory slots	2 SODIMM; supports dual channel[25]
Internal storage	256 GB up to 2 TB PCIe® Gen4 x4 NVMe™ M.2 2280 TLC SSD[7] 256 GB up to 1 TB PCIe® Gen4 x4 NVMe™ M.2 2280 TLC SED OPAL 2 SSD[7]
Display size (diagonal, metric)	35.6 cm (14")
Display	14" diagonal, WQXGA (2560 x 1600), 120 Hz, IPS, anti-glare, 500 nits, 100% DCI-P3, HP DreamColor; 14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 250 nits, 45% NTSC; 14" diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, 250 nits, 45% NTSC; 14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, 100% sRGB; 14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 1000 nits, 100% sRGB, HP Sure View Reflect integrated privacy screen[11,33,37] 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, 400 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[11,33,37]
Available Graphics	Integrated: AMD Radeon™ Graphics[27,28,32]
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, HD audio
Memory card device	1 smart card reader (select models)
Ports and connectors	Left side: 1 SuperSpeed USB Type-A 5Gbps 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)[12] ; Right side: 1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate

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Specifications Table

Keyboard	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
Mouse	Clickpad with multi-touch gesture support, taps enabled as default; Microsoft Precision Touchpad with gesture support
Communications	WLAN:Mediatek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card[9]; WWAN:Intel® XMM™ 7560 LTE Advanced Pro Cat 16; Intel® 5G Solution 5000[10,47]; Optional Near Field Communication (NFC) module
Camera	5MP Camera; IR Camera (optional)[13,14]
Software[18,19,20,21,22,26,35,36,55]	Bing search for IE11 HP Hotkey Support HP Noise Cancellation Software 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 Settings HP Programmable Key HP QuickDrop HP Touchpoint Customizer HP Services Scan Microsoft 365 and Office (sold separately and Internet access required for activation)
Security management[24,29,31,32,33,34,38,40,42,43,44,45]	HP Sure Click HP Secure Erase HP Manageability Integration Kit HP Sure Sense HP BIOSphere Gen6 HP Sure Start Gen6 MS Bitlocker Encryption 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
Fingerprint reader	Fingerprint reader (select models)
Management features	HP Client Catalog; HP Power Manager; HP Client Management Script Library (download); HP Driver Packs (download); HP Image Assistant Gen5 (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager[15,23,39]
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 recharge time	Supports battery fast charge: approximately 50% in 30 minutes
Dimensions	12.42 x 8.8 x 0.78 in; 31.56 x 22.43 x 1.99 cm; 19.01 x 2.71 x 12 in 483 x 69 x 305 mm (Package)
Weight	Starting at 3.1 lb; Starting at 1.4 kg; (Weight varies by configuration and components.)
Ecolabels	EPEAT® registered configurations available[16]
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[17,51,52,53,54]

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Messaging Footnotes

1 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. AMD's numbering is not a measurement of clock speed.
2 Up to 64GB memory is an optional, configurable feature.
3 Lowest weight. Weight will vary by configuration.
4 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 MobileMark18 battery benchmark https://bapco.com/products/mobilemark-2018/ for additional details.
5 Requires the myHP application and Windows OS.
6 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.
7 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. And available in countries where Wi-Fi 6E is supported.
8 Intel® 5G module is optional and must be configured at the factory. Module designed for 5G NR NSA (non-standalone) networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100Mhz of 5G NR and LTE channel bandwidth, using 256QAM 4x4 as defined by 3GPP. Module requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Data connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported.
9 Optional feature that must be configured at purchase.
10 HP Wolf Security for Business 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.
10 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 (for Windows) is reserved for system recovery software.
13 Optional, configurable feature. 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.
15 HP Power Manager requires Windows 10 and higher and can be downloaded from the Microsoft Store.
16 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.
17 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. And available in countries where Wi-Fi 6E is supported.
18 Applies to HP PCs, Workstations and Displays manufactured after January 2019. Based on most Gold and Silver EPEAT® registrations by meeting all required criteria and achieving 50-74% of the optional points for EPEAT® Silver and 75-100% of the optional points for EPEAT® Gold according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.

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 This system is preinstalled with Windows 10 Pro software and also comes with a license for Windows 11 Pro software and provision for recovery software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.
3 Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
4 Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.
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 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.
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 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. And available in countries where Wi-Fi 6E 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 other factors. 4G LTE not available on all products, and in all regions.
11 HP DreamColor Panel available in the Q2 2021 timeframe.
12 SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4.

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® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. Search keyword generator 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 ZCentral Remote Boost does not come preinstalled 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 ZCentral Remote Boost Software Support is required. RGS requires Windows, RHEL (7 or 8), UBUNTU 18.04 LTS, or HP ThinPro 7 operating systems. MacOS (10.13 or newer) operating system is only supported on the receiver side. Requires network access. The software is available for download at hp.com/ZCentralRemoteBoost.
20 Web-only Support
21 Microsoft Office sold separately and requires Internet access for activation.
22 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 .
23 HP Connect for Microsoft Endpoint Manager is available for supported HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager is required and sold separately. Network connection required. HP Sure Admin requires Windows 10 or newer, and HP BIOS.
24 HP BIOSphere Gen6 features may vary depending on the platform and configuration.
25 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.
26 HP Connection Optimizer requires Windows 10.
27 Support HD decode, DX12, HDMI 1.4, HDCP 2.2 via DP up to 4K @ 60Hz and via HDMI up to 4K @ 30Hz
28 Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by other programs.
29 HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
30 For systems configured with more than 3 GB of memory and a 32-bit operating system, all memory may not be available due to system resource requirements. Addressing memory above 4 GB requires a 64-bit operating system. Memory modules support data transfer rates up to 4800 MT/s; actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.
31 HP Sure Run Gen4 is available on select HP PCs and requires Windows 10 and higher.
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 Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
35 myHP requires Windows OS.
36 HP Services Scan is provided with Windows Update on select products 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. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications. For full system requirements or to disable this feature, please visit http://www.hpdaas.com/requirements . Not applicable in China.
37 Resolutions are dependent upon monitor capability, and resolution and color depth settings.
38 HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .
39 HP Cloud Recovery is available for Z by HP, 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 .
40 HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.
42 HP Sure Recover Gen4 with Embedded Reimaging is an optional feature which requires Windows 10 and higher must be configured at purchase. You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Network based recovery using Wi-Fi is only available on PCs with Intel Wi-Fi Module.
43 HP Tamper Lock is an optional feature that must be configured at the factory and requires a supervisor password be established prior to use.
44 HP Client Security Manager Gen7 requires Windows and is available on the select HP Elite and Pro PCs.
45 HP Sure Start Gen6 is available on select HP PCs and requires Windows 10 and higher.
47 Gigabit class Category 16 4G LTE module is optional and must be configured at the factory. Module designed for up to 1 Gbps download speeds as carriers deploy 5 carrier aggregation and 100Mhz channel bandwidth, requires activation and separately purchased service contract. Backwards compatible to HSPA 3G technologies. Check with service provider for coverage and availability in your area. Connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. 4G LTE not available on all products, in all regions.
49 Web-only Support
51 Percentage of ocean-bound plastic contained in each component varies by product.
52 Recycled 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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