

HP ZBook Firefly 16 inch G11 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 integrated or discrete graphics and processor, AI-enhanced webcam and audio, and a stunning display—everything you need to collaborate and manage projects anywhere.

Step up performance. Not size.

Pro-level performance combines with true mobility in this sleek and powerful laptop. Stay productive with pro-grade components, AI-enhanced webcam, and a color-accurate display—everything you need to collaborate and manage projects from anywhere.

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-enhanced webcam and audio, and a color-accurate display—everything you need to collaborate and manage projects anywhere.

Upgrade to pro-level performance

Say goodbye to lags and crashes with fast responsiveness. With up to an Intel® Core™ Ultra 9 CPU with optional Intel vPro®^{1,2}, NVIDIA RTX™ A500 Laptop GPU,³ and 64GB of memory,⁴ open large files and run pro apps simultaneously for speedy multitasking.

Work all day.⁶ Anywhere

Starting at 3.88 lbs,⁵ our most mobile ZBook is made to move. With a long-lasting battery this 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 5MP camera,⁷ AI Noise Suppression software⁸ to block background noises and Wi-Fi 6E⁹ or 5G options¹⁰ let you seamlessly connect from almost anywhere.

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

At HP, we care about the impact our products have on our people, communities, and the planet. That's why this device is EPEAT® Gold registered¹² and the outer box packaging is 100% sustainably sourced¹³.



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Windows 11

Work without compromising on performance with Windows 11¹ combined with HP's collaboration and security technology.

Intel® Core™ Ultra Processor²

Unleash productivity with a new architecture that delivers power-efficient performance for complex business workloads and is purpose-built for the next era of AI software by sending the right task to the right engine at the right time.

NVIDIA® Graphics

Tackle your biggest projects with an optional NVIDIA RTX™ A500 Laptop GPU;⁴ certified for pro apps.

Lightning-Fast Storage

Blitz through multiple tasks and ditch external drives with up to 2 TB local NVMe storage⁵.

Large Memory Configurations

Power through projects with up to 64 GB RAM⁶ for fast editing and design.

OLED Display

With display technology that lights each pixel separately, you'll get deeper blacks for richer contrast and enhanced color than traditional LED screens.⁴

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.⁹

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.¹⁰

Wi-Fi 6E

Get a fast and reliable connection in dense wireless environments with Wi-Fi 6E.¹²

5G WWAN

Connect almost anywhere with optional support for up to 5G wireless broadband technology with 4x4 antennas that can deliver fast download and upload speeds.¹³

HP Wolf Security

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.¹⁵



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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 FreeDOS
Processor family^{2,3,4,5,6,47}	Intel® Core™ Ultra 5 processor; Intel® Core™ Ultra 7 processor
Available Processors^{2,3,4,5,6,36,39,47}	Intel® Core™ Ultra 5 135H (up to 3.6 GHz E-core Max Turbo frequency, up to 4.6 GHz P-core Max Turbo frequency, 18 MB L3 cache, 4 P-cores and 8 E-cores, 18 threads) Intel® Core™ Ultra 7 165H (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, 22 threads), supports Intel® vPro® Technology Intel® Core™ Ultra 7 155H (up to 3.8 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, 22 threads) Intel® Core™ Ultra 5 125H (up to 3.6 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, 18 threads) Intel® Core™ Ultra 7 165U (Up to 3.8 GHz E-core Max Turbo frequency, up to 4.9 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 14 threads), supports Intel® vPro® Technology Intel® Core™ Ultra 7 155U (up to 3.8 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 14 threads) Intel® Core™ Ultra 5 135U (up to 3.6 GHz E-core Max Turbo frequency, up to 4.4 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 14 threads), supports Intel® vPro® Technology Intel® Core™ Ultra 5 125U (up to 3.6 GHz E-core Max Turbo frequency, up to 4.3 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 14 threads)
Chipset	Intel® Integrated SoC
Maximum memory	64 GB DDR5-5600 non-ECC SDRAM ^{8,30}
Memory slots	2 SODIMM; supports dual channel ⁴¹
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 ⁷ 256 GB up to 1 TB PCIe® Gen4 x4 NVMe™ M.2 2280 SSD ⁷
Display size (diagonal, metric)	40.6 cm (16")
Display^{33,37}	
Available Graphics	Integrated: Intel® Arc™ Graphics Intel® Graphics ^{27,28,32,50} Discrete: NVIDIA RTX™ A500 Laptop GPU (4 GB GDDR6 dedicated) ^{12,32} (Intel® Iris® X ^e Graphics capabilities require system to be configured with Intel® Core™ Ultra 5 or Ultra 7 processors and dual channel memory. Intel® Iris® X ^e Graphics with Intel® Core™ Ultra 5 or Ultra 7 processors and single channel memory will only function as UHD graphics.)
Audio	Audio by Poly Studio, 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: 2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 1 USB Type-A 5Gbps signaling rate; 1 HDMI 2.1 ^{25,36,57} ; Right side: 1 USB Type-A 5Gbps signaling rate; 1 headphone/microphone combo ; Optional Ports: 1 External Nano SIM slot for WWAN



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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: Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, vPro®; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, non-vPro® ⁹ ; WWAN: HP 4000 4G LTE Advanced Pro ^{9,10} ;
Camera	5MP Camera; IR Camera (optional) ^{13,14}
Software	Bing Search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Recovery Manager; HP Support Assistant ¹⁸ ; HP Native Miracast Support ²² ; HP Connection Optimizer ²⁶ ; myHP ³⁵ ; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop ⁵⁵ ; HP Touchpoint Customizer; HP Services Scan ⁴⁸ ; HP Anyware ²¹ ; Buy Microsoft Office (Sold separately) ¹⁹ ; Copilot in Windows with Copilot key ²⁰ ; Battery Health Manager ⁶⁰
Security management	HP Sure Click ²⁹ ; HP Secure Erase ⁴⁰ ; HP Manageability Integration Kit ³⁸ ; HP Sure Sense ³⁴ ; HP BIOSphere Gen6 ²⁴ ; HP Sure Start Gen6 ⁴⁵ ; MS BitLocker Encryption; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP TPM Configuration Utility; HP Sure Run Gen4 ³¹ ; HP Client Security Manager Gen7 ⁴⁴ ; HP Sure Recover Gen4 with Embedded Reimaging ⁴² ; Secured-core PC capable ³² ; TPM 2.0 Embedded Security Chip; Infineon SLB9670; Camera privacy shutter
Fingerprint reader	Fingerprint reader (select models)
Management features	HP Client Catalog; HP Power Manager ¹⁵ ; HP Client Management Script Library (download); HP Driver Packs (download); HP Image Assistant Gen5 (download); HP Patch Assistant (download); HP Cloud Recovery ⁵⁶ ; HP Connect for Microsoft Endpoint Manager ⁴⁶
Power	HP Smart 65 W External AC USB Type-C® power adapter; HP Smart 100 W External AC USB Type-C® power adapter
Battery type	HP Long Life 3-cell, 56 Wh Li-ion polymer; HP Long Life 6-cell, 76 Wh Li-ion polymer ^{30,49}
Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes ²³
Dimensions	35.87 x 25.13 x 1.92 cm; 552 x 69 x 345 mm (Package)
Weight	Starting at 1.79 kg; (Weight varies by configuration and components.)
Ecolabels	EPEAT® registered configurations available ¹⁶
Energy star certified	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; Outside box and corrugated cushions are 100% sustainably sourced and recyclable. ^{17,51,52,53,54}



