

HP ZBook Firefly 15.6 inch G8 Mobile Workstation PC (2C9S8EA)



ZBook performance, more mobile than ever

Our lightest 15" ZBook provides true mobility for people who push the typical business PC past its breaking point. In the office or in the field, with pro-level performance and a full-size numeric keypad, you have everything to review work and manage projects from anywhere.



HP recommends Windows 10 Pro for business

Manage it on the move

At below 5lbs[1] our most mobile 15" ZBook is made to move. With 3X faster Wi-Fi®[2] and better battery life[4], you're equipped for days offsite.

Pro-level performance. To go.

Say goodbye to slowdowns and power through projects and heavy workloads with the latest Intel® Core™ processors and NVIDIA® T500 graphics, certified for pro apps. Open large files and run apps simultaneously for speedy multitasking and productivity.

Upgrade to a modern viewing experience

Enjoy beautiful visuals even in direct light with a super-bright display. Images are more detailed and require less panning and zooming[7]. All this in a modern, slim-bezel design that maximizes your viewing area.

Featuring

Windows 10 Pro 64

Work without compromising on performance or security with Windows 10 Pro, powered by HP's collaboration and connectivity technology.

Intel® Core™ i7 processor

Run several CPU-heavy programs simultaneously without sacrificing performance with an Intel® Core™ i7 processor. [3]

NVIDIA® Quadro® Graphics

Experience high-end visualization and seamlessly render your biggest projects with the next generation NVIDIA® Quadro® T-Series graphics; Certified and supported for the apps you use every day.

15.6" (39.6 cm) Diagonal FHD Touch Display

Get clear and sharp visuals in full high definition. Comfortably work without reflections on an anti-glare touch 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. [5]

Specifications

Operating system	Windows 10 Pro 64
Processor family	11th Generation Intel® Core™ i7 processor
Processor	Intel® Core™ i7-1165G7 (up to 4.7 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores)
Chipset	Intel® Integrated SoC
Memory	16 GB DDR4-3200 MHz RAM (1 x 16 GB)
Memory Slots	2 SODIMM; supports dual channel
Internal Storage	512 GB PCIe® NVMe™ TLC M.2 SSD
Graphics	Discrete
Graphics (discrete)	NVIDIA® T500 (4 GB GDDR6 dedicated)
Graphics	Integrated
Graphics (integrated)	Intel® Iris® Xe Graphics
Display	39.6 cm (15.6") diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 250 nits, 45% NTSC
Display	15.6" diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 250 nits, 45% NTSC ^[11,33,34,36,37]
Display size (diagonal)	39.6 cm (15.6")
Display size (diagonal)	15.6"
Audio features	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
Minimum dimensions (W x D x H)	35.95 x 23.36 x 1.92 cm
Minimum dimensions (W x D x H)	14.15 x 9.19 x 0.76 in
Weight	Starting at 1.7 kg (Weight varies by configuration and components.)
Weight	Starting at 3.74 lb (Weight varies by configuration and components.)
Keyboard	HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with programmable key
Camera	720p HD IR camera with integrated dual array microphones
Ports	1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate (charging)
Ports	1 power connector; 1 HDMI 2.0b; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 SuperSpeed USB Type-A 5Gbps signaling rate
Network interface type	WLAN
Wireless	Intel® Wi-Fi CERTIFIED 6™ AX201 (2x2) and Bluetooth® 5 combo (Supporting Gigabit data rate)
Power	HP Smart 65 W External AC Power Adapter
Battery type	HP Long Life 3-cell, 56 Wh Li-ion polymer
Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes
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
Security management	HP Sure Click; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Sure View Reflect; HP Tamper Lock; MS Bitlocker Encryption; HP Image Assistant Gen4.6; HP Proactive Security (DaaS); HP TPM Configuration Utility; HP Sure Run Gen4; HP Client Security Manager Gen7; HP Sure Recover Gen4 with Embedded Reimaging; Secured-core PC capable ^[24,26,31,34,38,39,40,41,42,43,44,45,46,48]
Software included	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 Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP WorkWell; TileApp (optional) ^[18,19,22,23,35,55]
UPC number	(A2M) 195697708961; (A2N) 195697708978; (AB6) 195697708985; (AB7) 195697708992; (AB8) 195697709005; (AB9) 195697709012; (ABB) 195697709029; (ABD) 195697709036; (ABE) 195697709043; (ABF) 195697709050; (ABH) 195697709074; (ABN) 195697709067; (ABT) 195697709081; (ABU) 195697709098; (ABV) 195697709104; (ABY) 195697709111; (ABZ) 195697709128; (ACB) 195697709135; (ACQ) 195697709142; (AK8) 195697709159; (AKC) 195697709166; (AKD) 195697709173; (AKE) 195697709180; (AKQ) 195697709197; (AKS) 195697709203; (B10) 195697709210; (B1R) 195697709275; (BCM) 195697709227; (BED) 195697709241; (UUG) 195697709265; (UUZ) 195697709289

Top Recommended Displays, Accessories and Services

Z Displays

HP Z24n G3 WUXGA Display	1C4Z5AA
HP Z27q G3 QHD Display	1C4Z7AA
HP Z27k G3 4K USB-C Display	1B9T0AA

Docking Stations

HP USB-C Dock G5	26D32AA
HP USB-C Dock G5	5TW10AA
HP USB-C/A Universal Dock G2	5TW13AA
HP Thunderbolt Dock 120W G2	2UK37AA
HP Thunderbolt Dock 120W with HDMI Adapter	6HP48AA

Cases

HP Executive 15.6 Top Load	6KD06AA
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Backpacks

HP Recycled Series 15.6-inch Backpack	5KN28AA
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Keyboard and Mouse Kits

HP Slim Wireless Keyboard and Mouse	T6L04AA
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Mice

HP Bluetooth Travel Mouse	6SP30AA
HP Elite Presenter Mouse	2CE30AA

AC Adapters

HP 45W Smart AC Adapter	H6Y88AA
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PC Locks

HP Sure Key Cable Lock	6UW42AA
HP Nano Keyed Cable Lock	1AJ39AA

Messaging Footnotes

[1] Weight will vary by configuration.

[2] Based on Wi-Fi 5 80MHz and Wi-Fi 6 160MHz minimum requirements when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 802.11ax (Wi-Fi 6). Only available in countries where 802.11ax is supported. Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ax devices.

[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] When compared to HP ZBook 15u G6

[5] 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.

[7] When compared to standard FHD displays.

Technical Specifications Footnotes

[11] UHD content required to view UHD images.

[18] HP Support Assistant - Internet access required.

[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.

[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 Performance Advisor Software. Learn more or download at: <https://www8.hp.com/us/en/workstations/performance-advisor.html>

[24] 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.

[26] HP Support Assistant - Internet access required.

[31] 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 Gen3 integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.

[34] 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™.

[35] HP Connection Optimizer requires Windows 10.

[36] Sold separately or as an optional feature.

[37] Resolutions are dependent upon monitor capability, and resolution and color depth settings.

[38] HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>

[39] HP Sure Sense requires Windows 10.

[40] HP Tamper Lock is an optional feature that must be configured at the factory and requires a supervisor password be established prior to use.

[41] HP Sure Run Gen4 is available on select HP PCs and requires Windows 10.

[42] HP Sure Recover Gen4 with Embedded Reimaging is an optional feature which requires Windows 10 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 Sure Admin requires Windows 10, HP BIOS, HP Manageability Integration Kit from <http://www.hp.com/go/clientmanagement> and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.

[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.

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