

# HP ZBook Firefly 14 G8 Mobile Workstation (346Q4UT)



## ZBook performance, more mobile than ever.

Our smallest and lightest ZBook ever provides true mobility for people who push the typical business PC past its breaking point. In the field or at home, with pro-level performance and a color-accurate DreamColor display, you have everything you need to review work and manage projects from anywhere.



HP recommends Windows 10 Pro for business **Manage it on the move**

At less than 5lbs[1] our most mobile 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.

### **Color accuracy to match the highest standards**

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.

## Specifications

<b>Operating system</b>	Windows 10 Pro 64
<b>Processor family</b>	11th Generation Intel® Core™ i7 processor
<b>Processor</b>	Intel® Core™ i7-1165G7 (up to 4.7 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores)
<b>Chipset</b>	Intel® Integrated SoC
<b>Memory</b>	32 GB DDR4-3200 MHz RAM (1 x 32 GB)
<b>Memory Slots</b>	2 SODIMM, supports dual channel (integrated graphics configurations), Memory soldered down, supports dual channel (discrete graphics configurations)
<b>Internal Storage</b>	512 GB PCIe® NVMe™ TLC SSD
<b>Graphics</b>	Discrete
<b>Graphics (discrete)</b>	NVIDIA® T500 (4 GB GDDR6 dedicated)
<b>Graphics</b>	Integrated
<b>Graphics (integrated)</b>	Intel® Iris® X <sup>e</sup> Graphics
<b>Display</b>	35.6 cm (14") diagonal, FHD (1920 x 1080), IPS, anti-glare, 250 nits, 45% NTSC
<b>Display</b>	14" diagonal, FHD (1920 x 1080), IPS, anti-glare, 250 nits, 45% NTSC <sup>[11,33,36,37]</sup>
<b>Display size (diagonal)</b>	35.6 cm (14")
<b>Display size (diagonal)</b>	14"
<b>Audio features</b>	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
<b>Minimum dimensions (W x D x H)</b>	32.3 x 21.46 x 1.79 cm
<b>Minimum dimensions (W x D x H)</b>	12.73 x 8.45 x 0.71 in
<b>Weight</b>	Starting at 1.35 kg (Weight varies by configuration and components.)
<b>Weight</b>	Starting at 2.98 lb (Weight varies by configuration and components.)
<b>Keyboard</b>	HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with programmable key
<b>Pointing device</b>	Clickpad with multi-touch gesture support
<b>Camera</b>	720p HD IR privacy camera with integrated dual array microphones
<b>Ports</b>	1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 SuperSpeed USB Type-A 5Gbps signaling rate (charging)
<b>Ports</b>	1 power connector; 1 HDMI 1.4b; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge)
<b>Network interface type</b>	WLAN
<b>Wireless</b>	Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo, non-vPro®
<b>Power</b>	65 W USB Type-C™ adapter
<b>Battery type</b>	HP Long Life 3-cell, 53 Wh Li-ion polymer
<b>Battery recharge time</b>	Supports battery fast charge: approximately 50% in 30 minutes
<b>Sustainable impact specifications</b>	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
<b>Security management</b>	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 Proactive Security; 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 <sup>[24,25,31,32,34,38,40,42,43,44,45]</sup>
<b>Software included</b>	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 QuickDrop <sup>[18,19,20,22,23,26,55]</sup>

## 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 14.1 Slim Top Load	6KD04AA
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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.

[4] When compared to HP ZBook 14u G6.

[7] When compared to standard FHD displays.

## Technical Specifications Footnotes

[11] HP DreamColor Panel available in the Q2 2021 timeframe.

[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](http://hp.com/ZCentralRemoteBoost).

[20] Web-only Support

[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.

[25] 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.

[26] HP Connection Optimizer requires Windows 10.

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

[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 requires Windows 10 Pro or Enterprise and supports Microsoft Internet Explorer, Google Chrome™, and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.

[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://www.hp.com/go/clientmanagement>.

[40] 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] HHP 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 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.

[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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