



HP ZBook Firefly 14 inch G10 Mobile Workstation PC Wolf Pro Security Edition (7Z1A2UT)



Overview

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-enhancing 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 faster responsiveness on projects. With an Intel® processor[1] and integrated or discrete graphics[3] you can open large files and run pro apps simultaneously for speedy multitasking and productivity.

Connect. Communicate. Collaborate

Collaborate effectively with ZBook Firefly. The AI enhanced auto-framing 5MP camera[7] offers improved image quality even in low light, and AI Noise Suppression software[8] blocks background noise so you can seamlessly connect from almost anywhere.

Work all day. Anywhere

Starting at 3.2 lbs,[5] our most mobile ZBook is made to move. With a long lasting battery[6] 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.

Immerse in your work

The more you can see, the more you can do. 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 programs and apps you use every day.

Features

Windows 11

Work anywhere without compromising on performance or security with Windows 11 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.^[2]

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.^[4]

HP Fast Charge

Ultra-fast recharge takes you from zero to 50% charge in just 30 minutes.^[9]

Spill-resistant Keyboard

Accidents happen - which is why we designed our keyboard with a drain hole, so minor spills flow out the bottom for easy cleanup.

Industry-leading security features

Advanced security features come standard. System safeguards like HP Sure Start – the industry's first self-healing BIOS – mean your device is locked down tight, so your data and identity are too.

[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.

[3] Optional feature that must be configured at purchase.

[5] Lowest weight. Weight will vary by configuration.

[6] 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.

[7] Requires the myHP application and Windows OS.

[8] 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.

[2] 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] 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.

[9] Recharges the 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.

Specifications

Operating system	Windows 11 Pro ^[1]
Processor family	13th Generation Intel® Core™ i7 processor
Processor	Intel® Core™ i7-1365U (up to 5.2 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads)
Chipset	Intel® Integrated SoC
Memory	32 GB DDR5-5200 MHz RAM (2 x 16 GB)
Memory Slots	2 SODIMM; supports dual channel
Internal Storage	1 TB PCIe® NVMe™ TLC SSD
Graphics	Integrated
Graphics (integrated)	Intel® Iris® Xe Graphics
Display	35.6 cm (14") diagonal, WQXGA (2560 x 1600), IPS, anti-glare, micro-edge, 500 nits, 100% DCI-P3, HP DreamColor
Display	14" diagonal, WQXGA (2560 x 1600), IPS, anti-glare, micro-edge, 500 nits, 100% DCI-P3, HP DreamColor ^[11,33,37]
Display size (diagonal)	35.6 cm (14")
Display size (diagonal)	14"
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
Minimum dimensions (W x D x H)	31.56 x 22.43 x 1.99 cm
Minimum dimensions (W x D x H)	12.42 x 8.8 x 0.78 in
Weight	Starting at 1.45 kg (Weight varies by configuration and components.)
Weight	Starting at 3.2 lb (Weight varies by configuration and components.)
Keyboard	HP Premium Keyboard – spill resistant, backlit keyboard
Pointing device	ClickPad Glass with multi-touch gesture support, taps enabled as default
Camera	5MP HD IR camera
Ports	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) ^[25]
Ports	1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate
Wireless	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)
Power	65 W USB Type-C™ adapter
Battery type	HP Long Life 3-cell, 51 Wh Li-ion

Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes
Ecolabels	TCO Certified
Energy star certified	ENERGY STAR® certified
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 ^[15,46,56]
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 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 ^[24,29,31,32,33,34,38,40,42,43,44,45]
Software included	Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Programmable Key; HP QuickDrop; HP Touchpoint Customizer; HP Anyware; Microsoft 365 and Office (sold separately and Internet access required for activation) ^[18,19,20,21,22,23,26,35,55]
UPC number	(ABA) 197497076714; (ABL) 197497076721

Additional specifications

Available software	HP Smart Support
Battery brand	HP
Battery capacity	51
Battery capacity uom	Wh
Battery cells number	3
Battery life	Long Life
Battery type	Li-ion
Bluetooth version	Bluetooth® 5.3
Camera Infrared	IR
Camera resolution	5
Camera resolution standard	HD
Camera resolution uom	MP
Color gamut	100% DCI-P3
Display	35.6 cm (14") diagonal WQXGA display
Display	14" diagonal WQXGA display
Display brightness	500
Display brightness uom	nits
Display panel technology	IPS
Display resolution (pixels)	2560 x 1600
Display resolution standard	WQXGA
Display size (diagonal) uom	"
Display size (diagonal, imperial)	14
Display size (diagonal, metric)	35.6
Display size (diagonal, metric) uom	cm
Display surface treatment	anti-glare
Display technology	HP DreamColor
ECC memory	non-ECC
Fingerprint reader	Fingerprint Sensor
Graphic card footnote number	[12,32]
Graphics	Discrete
Graphics (discrete)	NVIDIA RTX™ A500 Laptop GPU (4 GB GDDR6 dedicated)
Graphics card brand	NVIDIA®
Graphics card memory size	4

Graphics card memory size uom	GB
Graphics card memory type	GDDR6
I/O Port location	Left side
I/O Port location	Right side
Keyboard backlight	backlit
Keyboard features	Spill-resistant
Keyboard name	HP Premium Keyboard
Legal tagline	HP recommends Windows 11 Pro for business
Memory and storage	32 GB memory; 1 TB SSD storage
Memory layout (slots & size)	2 x 16 GB
Memory module type	DIMM
Memory size	32
Memory size uom	GB
Memory slots footnote	[41]
Memory speed	5200
Memory speed uom	MHz
Memory type	DDR5
Number of memory slots	2
Playbook TS icon OS	http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png
Playbook TS icon battery life	http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905264.png
Playbook TS icon connectivity	http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png
Playbook TS icon dimensions NB	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08250394.png
Playbook TS icon display NB	http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08205649.png
Playbook TS icon graphics	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png
Playbook TS icon memory	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267700.png
Playbook TS icon processor	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201972.png
Playbook TS icon storage	http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png
Playbook TS icon weight imperial	http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png
Playbook TS icon weight metric	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png
Processor Brand	Intel®
Processor cache	12 MB L3
Processor core	10
Processor family	Core™ i7
Processor frequency technology	Intel® Turbo Boost Technology
Processor generation	13th Generation

Processor maximum frequency	5.2
Processor maximum frequency uom	GHz
Processor model	1365U
Processor threads	12
Product long name specifications	HP ZBook Firefly 14 inch G10 Mobile Workstation PC Wolf Pro Security Edition, 14", Windows 11 Pro, Intel® Core™ i7, 32GB RAM, 1TB SSD, NVIDIA® WQXGA
Product short name specifications	HP ZBook Firefly 14 inch G10 Mobile Workstation PC Wolf Pro Security Edition, 14", Intel® Core™ i7, 32GB RAM, 1TB SSD
Security Software Licenses	HP Wolf Pro Security Edition (1 year)
Standard memory note	Transfer rates up to 5200 MT/s.
Storage capacity	1
Storage capacity uom 01	TB
Storage interface 01	PCIe®
Storage interface protocol 01	NVMe™
Storage memory technology 01	TLC
Storage type	SSD
Storage type 01	SSD
UNSPSC code	43211503
Wireless Model	Wi-Fi 6E AX211
Wireless antenna	2x2
Wireless standard	Wi-Fi 6E
Wireless supplier	Intel®
Wireless transfer speeds	Supporting Gigabit data rate

[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>.

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

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

[18] HP Support Assistant - Requires Windows and Internet Access.

[19] Microsoft Office sold separately and requires Internet access for activation.

[20] Web-only Support

[21] HP Anyware software and licensing are available through a 1- or 3-year subscription. Network access required. Renewal is required after the subscription term. HP Anyware subscriptions are based on the number of concurrent PCoIP connections used (pay for the number of host connections, not the software) with a minimum order quantity of 5. For a limited time, an HP Anyware Professional subscription also includes

access and support for ZCentral Remote Boost and ZCentral Connect and is available for purchase through an HP reseller or contact sales at hp.com/Anyware. ZCentral Remote Boost Sender requires Windows 10 and 11, RHEL/CentOS (7 or 8), or UBUNTU 18.04 or 20.04 LTS operating systems. macOS (10.14 or newer) operating system and ThinPro 7.2 are only supported on the receiver side. ZCentral Connect requires Windows (10 or 11) or Windows Server (2016 or 2019) operating system, Microsoft Active Directory and Intel Active Management Technology for select features. For system requirements and to install HP Anyware and Anyware Manager, refer to the Admin Guides at: <https://docs.teradici.com/find/product/hp-anyware>.

[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 features may vary depending on the platform and configuration.

[25] SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4.

[26] HP Connection Optimizer requires Windows 10.

[29] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.

[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.

[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] 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.

[46] 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.

[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.

[56] This product includes a one (1) year license of HP Wolf Pro Security Edition which includes HP Sure Click Pro and HP Sure Sense Pro. The HP Wolf Pro Security Edition software is licensed under the license terms of the HP End User License Agreement (EULA) that can be found at: https://support.hp.com/us-en/document/ish_3875769-3873014-16 as modified by the following: "7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Wolf Pro Security Edition (HP Sure Sense Pro and HP Sure Click Pro) is effective upon activation and will continue for twelve (12) months thereafter ("Initial Term"). At the end of the Initial Term you may either (a) purchase a renewal license for the

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