



HP ZBook Fury 16 G10 Mobile Workstation PC Wolf Pro Security Edition (878K6UT)

Overview

So powerful you'll forget it's a laptop

Tackle your most intense workflows with the ZBook Fury—offering a desktop class CPU in a laptop. With integrated or discrete graphics, a stunning display and collaboration features you can edit 8K videos, render in 3D or train machine learning models. Experience extreme pro performance—all on the move.



Tackle multiple heavy workflows— simultaneously

Blaze through graphics-heavy projects with a desktop class Intel® CPU[1] and integrated or discrete graphics.[3]

Thin bezel for enhanced display area

Bring projects to life on a brilliant display and see more of your screen with a slim-bezel design.

Upgrade. Expand. Evolve

Get desktop-level storage and memory with room to grow. Expansion is easy with tool-free access to components.

Create. Communicate. Collaborate

Collaborate effectively on your intense projects. 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.

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.^[1]

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.^[2]

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.

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

[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] 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.

Specifications

Operating system	Windows 11 Pro ^[1]
Processor family	13th Generation Intel® Core™ i7 processor
Processor	Intel® Core™ i7-13850HX (up to 5.3 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 20 cores, 28 threads)
Chipset	Intel® WM790
Memory	32 GB DDR5-5600 MHz RAM (2 x 16 GB)
Memory Slots	4 SODIMM; supports dual channel
Internal Storage	1 TB PCIe® NVMe™ TLC SSD
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics
Display	40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, 100% sRGB
Display	16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, 100% sRGB ^[21,23,32]
Display size (diagonal)	40.6 cm (16")
Display size (diagonal)	16"
Audio	Audio by Bang & Olufsen, dual stereo speakers with discrete amps, HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio with 200Hz Bass Roll off
Minimum dimensions (W x D x H)	36.3 x 25.06 x 2.86 cm (WLAN); 36.3 x 25.06 x 2.77 cm (WWAN)
Minimum dimensions (W x D x H)	14.29 x 9.87 x 1.09 in (WWAN); 14.29 x 9.87 x 1.13 in (WLAN)
Weight	Starting at 2.4 kg
Weight	Starting at 5.3 lb (Weight varies by configuration and components.)
Keyboard	HP Premium Quiet Keyboard, spill-resistant, full-size, backlit, keyboard with a Programmable Key and numeric keypad
Pointing device	Touchpad with multi-touch gesture support
Camera	5MP IR Camera
Ports	1 RJ-45; 1 headphone/microphone combo; 1 SuperSpeed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-A 5Gbps signaling rate
Ports	1 power connector; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 HDMI 2.1; 1 Mini DisplayPort™ 1.4a
Wireless	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)
Power	230 W external AC power adapter ^[20]

Battery type	HP Long Life 8-cell, 95 Wh Li-ion polymer
Ecolabels	TCO Certified
Energy star certified	ENERGY STAR® certified
Management features	HP Power Manager ^[16]
Sustainable impact specifications	Low Halogen
Security management	Absolute persistence module; HP Device Access Manager; HP Power On Authentication; HP Security Manager; Integrated smart card reader; Master Boot Record security; Pre-boot authentication; HP Sure Click; Windows Defender; HP Secure Erase; HP Manageability Integration Kit; HP Sure Sense; HP Secure Platform; HP Sure Recover Gen3; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Run Gen3; Nano Security Lock Slot; HP Client Security Suite Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core; Camera privacy shutter; HP Privacy Key ^[22,27,30,31,34,38,40,46,47,49,50,51]
Software included	Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Recovery Manager; HP Support Assistant; HP JumpStart; Native Miracast support; HP Connection Optimizer; Adobe® Creative Cloud; HP Cloud Recovery; HP Admin; myHP; HP Privacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence ^[26,28,29,35,36,52,59]
UPC number	(ABA) 197497681796; (ABL) 197497681765

Additional specifications

Available software	HP Smart Support ^[43]
Battery brand	HP
Battery capacity	95
Battery capacity uom	Wh
Battery cells number	8
Battery life	Long Life
Battery type	Li-ion polymer
Bluetooth version	Bluetooth® 5.3
Camera Infrared	IR
Camera resolution	5
Camera resolution uom	MP
Color gamut	100% sRGB
Display	40.6 cm (16") diagonal WUXGA display
Display	16" diagonal WUXGA display
Display brightness	400
Display brightness uom	nits
Display panel technology	IPS
Display resolution (pixels)	1920 x 1200
Display resolution standard	WUXGA
Display size (diagonal) uom	"
Display size (diagonal, imperial)	16
Display size (diagonal, metric)	40.6
Display size (diagonal, metric) uom	cm
Display surface treatment	anti-glare
ECC memory	non-ECC
External I/O ports footnote number	[6,15,24,48,57]
Fingerprint reader	Fingerprint Sensor
Graphics	Discrete
Graphics (discrete)	NVIDIA RTX™ 3500 Ada Generation Laptop GPU (12 GB GDDR6 dedicated)
Graphics card brand	NVIDIA®
Graphics card memory size	12
Graphics card memory size uom	GB

Graphics card memory type	GDDR6
I/O Port location	Right side
I/O Port location	Left side
Keyboard backlight	backlit
Keyboard features	Spill-resistant
Keyboard keypad	numeric keypad
Keyboard name	HP Premium Quiet Keyboard
Keyboard size	Full-size
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	[8,9,10]
Memory speed	5600
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	30 MB L3
Processor core	20
Processor family	Core™ i7
Processor frequency technology	Intel® Turbo Boost Technology

Processor generation	13th Generation
Processor maximum frequency	5.3
Processor maximum frequency uom	GHz
Processor model	13850HX
Processor threads	28
Product long name specifications	HP ZBook Fury 16 G10 Mobile Workstation PC Wolf Pro Security Edition, 16", Windows 11 Pro, Intel® Core™ i7, 32GB RAM, 1TB SSD, NVIDIA® WUXGA
Product short name specifications	HP ZBook Fury 16 G10 Mobile Workstation PC Wolf Pro Security Edition, 16", Intel® Core™ i7, 32GB RAM, 1TB SSD
Security Software Licenses	HP Wolf Pro Security Edition (1 year)
Standard memory note	Transfer rates up to 5600 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>.

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

[20] 150 W power adapter is configurable with Intel UMA graphics. 200 W power adapter is configurable with NVIDIA RTX A1000 and RTX A2000 configurations. 230 W power adapter is configurable with NVIDIA RTX A3000 or higher.

[21] UHD content required to view UHD images.

[22] HP BIOSphere Gen6 features may vary depending on the platform and configuration.

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

[26] HP Cloud Recovery is available for 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>.

[27] HP Sure Click requires Windows 10 or 11 Pro or higher. See https://bit.ly/2PrLT6A_SureClick for complete details.

[28] 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>.

[29] Available on select HP PCs with Windows 10 and higher and Intel processors.

[30] HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>

[31] Absolute Persistence Module: Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: <http://www.absolute.com/company/legal/agreements/computrace-agreement>. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.

[32] Actual brightness will be lower with HP Sure View or touch-screen.

[34] Security lock for security slot is sold separately.

[35] HP Support Assistant requires Windows and Internet access.

[36] HP Connection Optimizer requires Windows 10.

[38] HP Sure Start Gen6 is available on select HP PCs.

[40] HP Tamper Lock not supported on Ubuntu OS.

[43] HP Smart Support automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit <http://www.hp.com/smart-support>.

[46] 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.

[47] 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™.

[49] HP Sure Recover Gen3 is available on select HP PCs and requires an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.

[51] HP Sure Run Gen3 is available on select Windows 10 or 11 Pro or higher based HP Pro, Elite and Workstation PCs with Intel® or AMD processors.

[52] Select HP Products are enhanced with HP Presence. Features vary by platform. HP conferencing features require Windows and the latest myHP app, available over the air or for download via sofpaq on the HP Support website. Planned availability in spring 2023.

[59] HP Easy Clean requires Windows 10 RS3 and higher and will disable the keyboard, touchscreen, and clickpad only. Ports are not disabled. See user guide for cleaning instructions.

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