



HP ZBook Power 15.6 inch G10 A Mobile Workstation PC Wolf Pro Security Edition (8L5E3UT)



Overview

Pro-grade performance within reach.

Upgrade to professional ZBook performance and security at an unbelievably affordable price. Power up your productivity on this durable yet premium device—delivering enhanced collaboration features and pro-grade components to run pro software apps for CAD, 3D conceiving, modeling, rendering and more.

Power through professional workflows

Blaze through 3D workloads with an integrated or discrete GPU, AMD® CPU, and large memory configurations.[2]

Connect. Communicate. Collaborate

Work and collaborate effectively on the go with long lasting battery, AI Noise Suppression software[7] to block distracting background noises, and a device that's powerful enough to run professional software applications.

Durable all-aluminum chassis

Designed to pass rigorous military standard testing[5] this PC is built to last with a distinctly premium touch.

Certified, secured and supported

Get a pro-level PC that's certified to work with pro apps and comes with HP Wolf Security for Business.[10]

Features

Windows 11

Work anywhere without compromising on performance or security with Windows 11 powered by HP's collaboration and connectivity technology.

AMD® Ryzen™ processor

Bring your ideas to life quickly and effectively with the latest AMD® Ryzen™ processors.

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.^[1]

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.

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

[5] Testing is not intended to demonstrate fitness of U.S. Department of Defense (DoD) contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[7] 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.

[10] HP Wolf Security for Business requires Windows 10 or higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features and OS requirement.

[1] 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 ^[1,2]
Processor family	AMD Ryzen™ 9 PRO processor
Processor	AMD Ryzen™ 9 PRO 7940HS (up to 5.2 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads)
Memory	64 GB DDR5-5600 MHz RAM (2 x 32 GB)
Memory Slots	2 SODIMM; supports dual channel
Internal Storage	1 TB PCIe® NVMe™ TLC SSD
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ Graphics
Display	39.6 cm (15.6") diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB
Display	15.6" diagonal, QHD (2560 x 1440), IPS, anti-glare, 300 nits, 100% sRGB ^[21,23,24]
Display size (diagonal)	39.6 cm (15.6")
Display size (diagonal)	15.6"
Audio	HP Audio, dual stereo speakers, dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio
Minimum dimensions (W x D x H)	35.94 x 23.39 x 2.29 cm
Minimum dimensions (W x D x H)	14.15 x 9.21 x 0.9 in
Weight	Starting at 2.01 kg (Weight varies by configuration and components.)
Weight	Starting at 4.43 lb (Weight varies by configuration and components.)
Keyboard	HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with numeric keypad
Pointing device	Clickpad with multi-touch gesture support, taps enabled as default
Camera	5MP IR Camera
Ports	1 RJ-45; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 nano security lock slot
Ports	1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A 5Gbps signaling rate (1 charging); 1 headphone/microphone combo; 1 power connector
Package dimensions (W x D x H)	552 x 69 x 345 mm
Wireless	MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card
Power	120 W Slim Smart external AC power adapter ^[20]
Battery type	HP Long Life 6-cell, 83 Wh Li-ion polymer

Ecolabels	TCO Certified
Energy star certified	ENERGY STAR® certified
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 Client Security Suite Gen6; HP Sure Start Gen6; HP Tamper Lock; Nano Security Lock Slot; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; Windows Secured Core ^[19,22,27,30,31,34,38,47,49,50,53]
Software included	Bing search for IE11; HP Hotkey Support; HP Performance Advisor; HP Recovery Manager; HP Remote Graphics Software; HP Support Assistant; HP JumpStart; Native Miracast support; HP Connection Optimizer; HP Cloud Recovery; HP Admin; HP Privacy Settings; HP PC Hardware Diagnostics; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence ^[28,29,33,35,36,43]
UPC number	(ABA) 197497841923; (ABL) 197497841916

Additional specifications

Available software	HP Smart Support
Battery brand	HP
Battery capacity	83
Battery capacity uom	Wh
Battery cells number	6
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	15.6" diagonal QHD display
Display	39.6 cm (15.6") diagonal QHD display
Display brightness	300
Display brightness uom	nits
Display panel technology	IPS
Display resolution (pixels)	3200 x 1800
Display resolution standard	QHD
Display size (diagonal) uom	"
Display size (diagonal, imperial)	15.6
Display size (diagonal, metric)	39.6
Display size (diagonal, metric) uom	cm
Display surface treatment	anti-glare
ECC memory	non-ECC
External I/O ports footnote number	[6]
Fingerprint reader	Fingerprint Sensor
I/O Port location	Left side
I/O Port location	Right side
Keyboard backlight	backlit
Keyboard features	Spill-resistant
Keyboard keypad	numeric keypad

Keyboard name	HP Premium Keyboard
Keyboard size	Full-size
Legal tagline	HP recommends Windows 11 Pro for business
Memory and storage	64 GB memory; 1 TB SSD storage
Memory layout (slots & size)	2 x 32 GB
Memory module type	DIMM
Memory size	64
Memory size uom	GB
Memory slots footnote	[8,10,32]
Memory speed	5600
Memory speed uom	MHz
Memory type	DDR5
Number of memory slots	2
Package dimensions (W x D x H)	21.73 x 2.71 x 13.58 in
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	AMD
Processor cache	16 MB L3
Processor core	8
Processor family	Ryzen™ 9 PRO
Processor maximum frequency	5.2
Processor maximum frequency uom	GHz
Processor model	7940HS
Processor threads	16

Product long name specifications	HP ZBook Power 15.6 inch G10 A Mobile Workstation PC Wolf Pro Security Edition, 15.6", Windows 11 Pro, AMD Ryzen™ 9 PRO, 64GB RAM, 1TB SSD, QHD
Product short name specifications	HP ZBook Power 15.6 inch G10 A Mobile Workstation PC Wolf Pro Security Edition, 15.6", AMD Ryzen™ 9 PRO, 64GB 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	RZ616
Wireless antenna	2x2
Wireless standard	Wi-Fi 6E
Wireless supplier	MediaTek

[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>.

[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. AMD's numbering is not a measurement of clock speed.

[19] HP Sure Click requires Windows 10. See https://bit.ly/2PrLT6A_SureClick for complete details.

[20] 150 W power adapter is only available with discrete graphic options.

[21] QHD content required to view QHD images.

[22] 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.

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

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

[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] HP Performance Advisor is ready and waiting to help you get the most out of your HP Workstation from day one—and every day after. Learn more or download at: <https://www8.hp.com/us/en/workstations/performance-advisor.html>.

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

[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.

[33] 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.

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

[35] HP Support Assistant Internet access required.

[36] HP Connection Optimizer requires Windows 10.

[38] HP Sure Start Gen6 is available on select HP PCs and requires Windows 10.

[43] HP Services Scan is provided with Windows Update on select products and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased, and will download applicable software automatically. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications. For full system requirements or to disable this feature, please visit <http://www.hpdaas.com/requirements> . Not applicable in China.

[47] 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™.

[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. Network based recovery using Wi-Fi is only available on PC's with Intel Wi-Fi Module.

[53] Requires an Intel® vPro® , AMD Ryzen™ Pro processor or Qualcomm® processor with SD850 or higher and requires 8 GB or more system memory. Secured Core PC functionality can be enabled from the factory.

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