

HP ZBook Studio 16 inch G11 Mobile Workstation PC

Powerfully immersive. Perfectly sized



Be ready when inspiration strikes. Packed with professional performance in an incredibly sleek PC that comfortably fits in your bag, the ZBook Studio is engineered to get you in the zone and help you stay focused. Now you can build complex assemblies, render in real-time or visualize data—from anywhere.

Power to push the limits

Push your workflow further with up to an Intel® Core™ Ultra 9 CPU with optional Intel vPro®^{1,2} NVIDIA RTX™ Ada Laptop GPU or GeForce RTX™ GPU,³ and 64 GB RAM.⁴ From 3D design to machine learning this PC delivers peak performance.

Immerse in your work

Get complete color accuracy and a 120Hz refresh rate⁶ with a 16:10 HP DreamColor display³ or choose an OLED display for absolute blacks and extreme whites.³ Customize your keyboard lighting and highlight shortcuts with RGB per-key LED backlighting.⁵

Create and collaborate everywhere

Follow inspiration wherever it strikes with a thin and light laptop that delivers the power to run the software you need on the go. Work and collaborate effectively with a long-lasting battery⁹, AI Noise Suppression⁷ and Wi-Fi 7.⁸

Help protect our shared future with PCs that drive towards increasing sustainability

At HP, we care about the impact our products have on our people, communities, and the planet. That's why this device is EPEAT® Gold registered¹¹ and the outer box packaging is 100% sustainably sourced¹².



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Windows 11

Work without compromising on performance with Windows 11¹³ combined with HP's collaboration and security technology.

Intel® Core™ Ultra Processor¹

Unleash productivity with a new architecture that delivers power-efficient performance for complex business workloads and is purpose-built for the next era of AI software by sending the right task to the right engine at the right time.

NVIDIA® Graphics

With up to an NVIDIA RTX 3000 Ada Laptop GPU, accelerate rendering, graphics and compute workflows to unlock new levels of productivity.³

Lightning-Fast Storage

Blitz through multiple tasks and ditch external drives with up to 4 TB PCIe Gen4 NVMe storage.^{14,15}

Large Memory Configurations

Accelerate your workflow. Power through projects with up to 64 GB RAM¹⁶ for fast rendering, editing, and visual effects performance.

HP DreamColor Display

Have confidence in what you see on screen with an optional HP DreamColor Display with 100% DCI-P3 color gamut and a 120Hz refresh rate you get smooth motion for high-speed videos.^{3,17}

Z Command Keyboard

Used to working on a Mac? Now you can choose the Z Command Keyboard, which replicates a Mac layout, for a seamless switch.¹⁸

Z Light Space

With Z Light Space software,¹⁹ customize your keyboard lighting with the RGB per-key LED backlighting.⁵ For commonly used software apps, like Adobe Photoshop, AutoCAD or SOLIDWORKS,²⁰ use pre-loaded color-maps or create your own.

16:10 Aspect Ratio

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 project without minimizing program menus or toolbars.

Easy Battery Management

Manage and monitor your battery's performance and condition and customize charging options with the easy-to-use HP Power Manager dashboard.²¹

HP Fast Charge

Long battery life gets you through a day of meetings without plugging in. Quickly recharge your PC with HP Fast Charge. You'll get up to 50% battery life in just 30 minutes of charging.²²

Battery life

When you're away from the office, this sleek, ultralight PC is ready every step of the way. With long battery life, you can work on complex projects from almost anywhere.



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Specifications Table

Available Operating Systems	Windows 11 Pro – HP recommends Windows 11 Pro ¹ Windows 11 Home – HP recommends Windows 11 Pro for Business ¹ FreeDOS 3.0
Processor family ^{2,3,4,5,6,9,47}	Intel® Core™ Ultra 5 processor; Intel® Core™ Ultra 7 processor; Intel® Core™ Ultra 9 processor
Available Processors ^{2,3,4,5,6,9}	Intel® Core™ Ultra 9 185H (Up to 3.8 GHz E-core Max Turbo frequency, up to 5.1 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 22 threads), supports Intel® vPro® Technology Intel® Core™ Ultra 7 165H (Up to 3.8 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 22 threads), supports Intel® vPro® Technology Intel® Core™ Ultra 7 155H (up to 3.8 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 22 threads), supports Intel® vPro® Technology Intel® Core™ Ultra 5 135H (Up to 3.6 GHz E-core Max Turbo frequency, up to 4.6 GHz P-core Max Turbo frequency, 18 MB L3 cache, 4 P-cores and 8 E-cores, 18 threads), supports Intel® vPro® Technology
Maximum memory	64 GB DDR5-5600 non-ECC SODIMM ¹¹ Memory is SODIMM. Supports dual channel memory.
Memory slots	2 SODIMM; supports dual channel ²³
Internal storage	512 GB up to 4 TB PCIe® Gen4 x4 NVMe™ M.2 SSD ¹⁰ 512 GB up to 1 TB PCIe® NVMe™ M.2 SED SSD ¹⁰
Maximum storage capacity	Up to 4 TB
Display size (diagonal)	16"
Display size (diagonal, metric)	40.6 cm (16")
Display ^{15,16,17,18}	16" diagonal, WQUXGA (3840 x 2400), OLED, touch, BrightView, eDP + PSR, micro-edge, Low Blue Light, 400 nits, 100% DCI-P3 16" diagonal, WQUXGA (3840 x 2400), 120 Hz, IPS, anti-glare, eDP + PSR, micro-edge, 500 nits, 100% DCI-P3, HP DreamColor 16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, eDP + PSR, micro-edge, 400 nits, 100% sRGB 16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, eDP + PSR, micro-edge, 1000 nits, 100% sRGB, HP Sure View integrated privacy screen 40.6 cm (16") diagonal, WQUXGA (3840 x 2400), OLED, touch, BrightView, eDP + PSR, micro-edge, Low Blue Light, 400 nits, 100% DCI-P3 40.6 cm (16") diagonal, WQUXGA (3840 x 2400), 120 Hz, IPS, anti-glare, eDP + PSR, micro-edge, 500 nits, 100% DCI-P3, HP DreamColor 40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, eDP + PSR, micro-edge, 400 nits, 100% sRGB 40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, eDP + PSR, micro-edge, 1000 nits, 100% sRGB, HP Sure View integrated privacy screen
Available Graphics	Integrated: Intel® Arc™ Graphics ⁴¹ Discrete: NVIDIA® GeForce RTX™ 4070 Laptop GPU (8 GB GDDR6 dedicated) NVIDIA RTX™ 3000 Ada Generation Laptop GPU (8 GB GDDR6 dedicated) NVIDIA RTX™ 2000 Ada Generation Laptop GPU (8 GB GDDR6 dedicated) NVIDIA RTX™ 1000 Ada Generation Laptop GPU (6 GB GDDR6 dedicated) ^{12,22,32}
Audio	Audio by Poly Studio, dual stereo speakers, HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio
Memory card device ⁵⁹	1 microSD 7.1 media card reader (optional)
Ports and connectors	Left side: 1 power connector; 1 headphone/microphone combo; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge) ¹² ; Right side: 1 Super Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4) ^{7,12,58}



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Keyboard	HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys; HP RGB Keyboard - Full-size, per-key RGB backlit keyboard; HP RGB Z Command Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys ²⁴
Mouse	Clickpad with image sensor, supporting multi-touch gestures and taps
Communications	WLAN: Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, vPro®; Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, non-vPro® ⁴⁸ ;
Camera	720p HD IR camera ^{16,17,20}
Software	Bing search for IE11; Hotkey support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant ³⁶ ; Native Miracast support ⁴⁴ ; HP Connection Optimizer ³³ ; myHP; HP Privacy Settings; Data Science Stack ²⁵ ; HP Easy Clean ⁵¹ ; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space ²⁸ ; HP Camera & Super Resolution Software; HP Services Scan ²¹ ; Microsoft 365 and Office (sold separately and Internet access required for activation); Battery Health Manager ⁶⁰
Available software	HP Smart Support ¹⁹
Security management	Absolute Persistence Module ³⁵ ; HP Credential Manager; HP Power On Authentication; Master Boot Record security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit ³⁷ ; HP BIOSphere Gen6 ³⁴ ; HP Sure Start Gen7 ⁴³ ; HP Sure Admin ⁴⁹ ; HP Image Assistant; Nano Security Lock Slot ³⁸ ; HP Client Security Manager Gen7 ³⁹ ; Trusted Platform Module TPM 2.0; HP Privacy Key
Security Software Licenses	HP Wolf Pro Security Edition ⁵⁶
Fingerprint reader	Fingerprint sensor (select models)
Management features	HP Power Manager ¹³
Power	HP Slim Smart 150 W External AC power adapter ⁴⁸
Battery type	HP Long Life 6-cell, 86 Wh Li-ion polymer ²⁶
Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes ⁵⁰
Dimensions	14.02 x 9.54 x 0.76 in (non-touch); 14.02 x 9.54 x 0.72 in (touch); 35.6 x 24.2 x 1.9 cm (non-touch); 35.6 x 24.2 x 1.8 cm (touch); 21.73 x 2.71 x 13.58 in; 552 x 69 x 345 mm (Package)
Weight	Starting at 3.81 lb; Starting at 1.73 kg; (Weight varies by configuration and components.)
Ecolabels	EPEAT® Gold registered in the U.S. ⁴⁵
Sustainable impact specifications	Low Halogen ⁴⁶



