

HP ZBook 8 G2a 14 inch Mobile Workstation PC

Uplevel to mobile pro performance.

Accomplish more anywhere¹. The HP ZBook 8 introduces top performers to AI workstation power in a slim, light design. Now redesigned with up to 70W max system TDP to keep you productive on demanding tasks like 3D modeling, design reviews, and architectural layouts – wherever your work takes you.

Mobile performance. Upgraded.

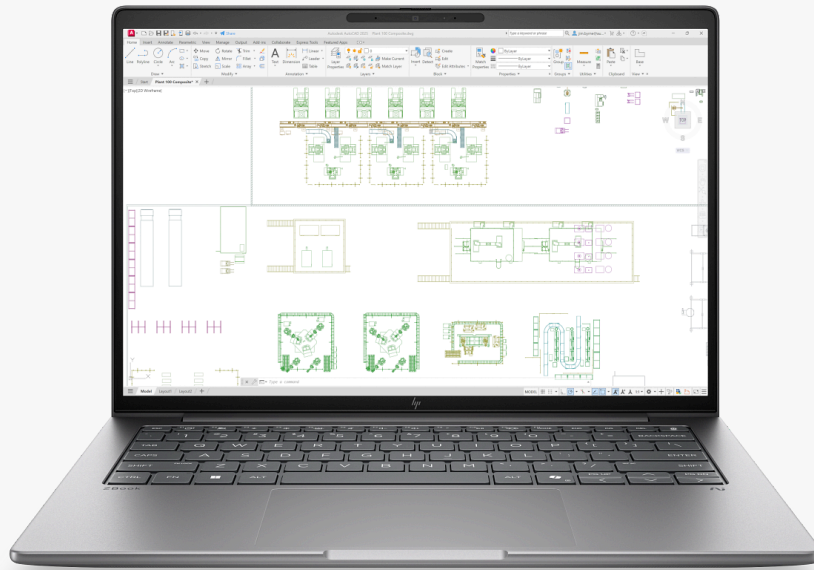
Bring your biggest idea to life faster. With a next-gen AMD Ryzen™ AI PRO processor with Copilot+ NPU² and integrated Radeon unified memory graphics, and up to 64GB of RAM³, the HP ZBook 8 delivers reliable pro app performance.

Ready to work. Anywhere.

Take your work with you in a thin and light laptop that lasts up to 90 min longer than last gen⁴. Dual cooling fans allow you to stay productive without overheating, plus reliable Wi-Fi 7 or 5G connectivity⁵ helps you stay connected wherever you are.

Unleash Local AI Power on ZBook 8

Save time for your best work with local AI on the HP ZBook 8—a powerful Copilot+ PC. Offload and run productivity tasks locally on up to a 55 TOPS NPU² while also tackling demanding AI-enhanced professional workflows.



*Product image may differ from actual product

Sustainability in action

Built for a better tomorrow

HP is innovating with purpose to drive impactful, lasting change. This device is ENERGY STAR® certified, EPEAT Gold⁶ registered and has attained EPEAT Climate+. Its cover and keycaps are crafted with 50% recycled aluminum and 50% recycled plastics⁷.



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Featuring

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HP Recommends Windows 11 Pro for business with Microsoft Copilot

Work anywhere without compromising performance with Windows 11 and HP collaboration, security, and connectivity technology. Summarize and rewrite content, get relevant content recommendations, and stay organized with Microsoft Copilot.^{8,9}

AMD Ryzen™ AI PRO processor

Unleash power-efficient performance with a next-gen AMD Ryzen™ AI PRO processor. This CPU unlocks new levels of performance for the next era of AI-enhanced software and greatly increases efficiency for productivity tasks.²

Large Memory Configurations

Power through projects with up to 64 GB RAM for fast editing and design.¹⁰

Lightning-fast Storage

Blitz through multiple tasks with up to 2 TB local NVMe storage.¹¹

HP Smart Sense

HP Smart Sense intelligently optimizes your PC's thermal and power management based on your usage. Select full performance mode when completing demanding tasks to maximize performance.¹²

AI Noise Reduction

Collaborate with confidence with advanced features like AI Noise Reduction to suppress background noise for crisp, clear calls.

HP Sure View 6

Work confidently in public with HP Sure View 6 - screen privacy technology that's activated with one keystroke. Sure View reduces visual light to make your screen unreadable when viewed from the side to keep your information private anywhere.¹³

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.^{14,15}

Network Connectivity

Stay connected from nearly anywhere with support for various network connectivity options. Choose 5G or up to Wi-Fi 7, for a fast and reliable connection in wireless environments or with the all new RJ-45 get a smooth, wired Internet experience.^{5,16}

Poly Camera Pro

Look your best on video calls and save some power too. Manage your video controls for internal and external cameras with Poly Camera Pro. Now Auto Frame, Spotlight, Background Blur, and virtual backgrounds save power running on the NPU.¹⁷

Protected by HP Wolf Security

HP Wolf Security for Business includes built-in, hardware-enforced, always-on protection designed for business-oriented Workstations.¹⁸

Workforce Experience Platform (WXP)

The HP Workforce Experience Platform (WXP) empowers IT teams with AI-powered insights and workflow automation, reducing digital friction to increase employee satisfaction.¹⁹



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Technical specifications

Available Operating Systems	Windows 11 Pro ¹ Windows 11 Home Single Language - HP recommends Windows 11 Pro for business ¹ Windows 11 Home - HP recommends Windows 11 Pro for business ¹ Windows 11 Pro (Windows 11 Enterprise available with a Volume Licensing Agreement) ¹ FreeDOS Ubuntu 24.04 LTS ²
Processor family^{51,6}	AMD Ryzen™ AI 7 PRO processor AMD Ryzen™ AI 5 PRO processor AMD Ryzen™ AI 7 processor AMD Ryzen™ AI 9 HX PRO processor
Available Processors^{51,3,4,5,6}	AMD Ryzen™ AI 9 HX PRO 470 (up to 5.2 GHz max boost clock, 24 MB L3 cache, 12 cores, 24 threads) with AMD Radeon™ 890M Graphics and AMD Ryzen™ AI (55 NPU TOPS) AMD Ryzen™ AI 7 PRO 450 (up to 5.1 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) with AMD Radeon™ 860M Graphics and AMD Ryzen™ AI (50 NPU TOPS) AMD Ryzen™ AI 5 PRO 440 (up to 4.8 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads) with AMD Radeon™ 840M Graphics and AMD Ryzen™ AI (50 NPU TOPS) AMD Ryzen™ AI 5 435 (up to 4.5 GHz max boost clock, 8 MB L3 cache, 6 cores, 12 threads) with AMD Radeon™ 840M Graphics and AMD Ryzen™ AI (50 NPU TOPS) AMD Ryzen™ AI 7 450 (up to 5.10 GHz max boost block, 16 MB L3 cache, 8 cores, 18 threads) with AMD Radeon™ 860M Graphics and AMD Ryzen AI™ (50 NPU TOPS)
Neural Processing Unit	AMD Ryzen™ AI ⁶
Product colour	Meteor silver
Maximum memory	64 GB DDR5-5600 MT/s non-ECC Transfer rates up to 5600 MT/s.
Memory slots	2 SODIMM
Internal storage	512 GB up to 2 TB PCIe® Gen5 NVMe™ M.2 SSD ¹¹ 256 GB up to 1 TB PCIe® Gen5 NVMe™ Performance M.2 SED SSD ¹¹ 256 GB up to 512 GB PCIe® NVMe™ M.2 SSD ¹¹
Display size (diagonal, metric)	35.6 cm (14")
Display^{7,24,35,37}	14" diagonal, WQXGA (2560 x 1600), 120 Hz, anti-glare, 500 nits, 100% DCI-P3, HP DreamColor; 14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, Low Blue Light, 800 nits, sRGB 100%, HP Sure View 6 integrated privacy screen; 14" diagonal, 2.5K (2560 x 1600), IPS, anti-glare, Low Blue Light, 400 nits, AD-100; 14" diagonal, WUXGA (1920 x 1200), 60 Hz, IPS, anti-glare, 300 nits, sRGB 62.5%; 14" diagonal, WUXGA (1920 x 1200), 60 Hz, IPS, anti-glare, Low Blue Light, 400 nits, sRGB 100%; 14" diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, Low Blue Light, 800 nits, sRGB 100%, HP Sure View 6 integrated privacy screen; 14" diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, 400 nits, sRGB 62.5% 35.6 cm (14") diagonal, WQXGA (2560 x 1600), 120 Hz, anti-glare, 500 nits, 100% DCI-P3, HP DreamColor; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, Low Blue Light, 800 nits, sRGB 100%, HP Sure View 6 integrated privacy screen; 35.6 cm (14") diagonal, 2.5K (2560 x 1600), IPS, anti-glare, Low Blue Light, 400 nits, AD-100; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), 60 Hz, IPS, anti-glare, 300 nits, sRGB 62.5%; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), 60 Hz, IPS, anti-glare, Low Blue Light, 400 nits, sRGB 100%; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, Low Blue Light, 800 nits, sRGB 100%, HP Sure View 6 integrated privacy screen; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, 400 nits, sRGB 62.5%
Available Graphics	Integrated: AMD Radeon™ Graphics ^{20,21,23}
Audio	Audio by Poly Studio, 2 integrated stereo speakers (1W/8 ohm per speaker), discrete amplifiers, 2 integrated dual array digital microphones
Ports and connectors	Left side: 1 HDMI 2.1; 1 3.5 mm audio combo jack; 2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1) ^{12,13,14} ; Right side: 1 USB Type-A 5Gbps signaling rate; 1 RJ-45; 1 nano security lock slot; 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)
Input devices	HP Premium Keyboard - spill-resistant, full-size, backlit keyboard with DuraKeys; HP Premium Privacy Keyboard - spill-resistant, full-size, backlit keyboard with DuraKeys; Clickpad with multi-touch gesture support; Microsoft Precision Touchpad with gesture support
Communications	LAN: Realtek RTL8111EPP 1 GbE Ethernet Controller ; WLAN: MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card; MediaTek Wi-Fi 7 MT7925 (2x2) and Bluetooth® 6.0 wireless card ^{16,17} ; WWAN: HP R15 5G Solution; HP R15 5G Go Solution ^{15,18} ; LPWAN: HP RW220-GL LTE (Low Power) (CAT-1bis) ¹⁹ ; NFC Mirage WNC XRAV1
Camera	5 MP camera; 5 MP IR camera
Software	Buy Microsoft Office (sold separately); Copilot in Windows with Copilot key ^{54,61} ; HP Connection Optimizer ⁵⁹ ; HP Hotkey support; HP MAC Address Manager; HP Notifications; HP UEFI BIOS Certification Level 2.9; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Services Scan ⁴⁰ ; HP Smart Support ⁵⁸ ; HP Support Assistant ⁵⁷ ; HP App ³⁸ ; HSA Fusion for Commercial; HSA Telemetry for Commercial; Poly Camera Pro; Poly Lens ⁶⁸ ; Edge Customization; Data Science Stack; Ubuntu Data Science Stack; HP IQ ⁶²
Security management	HP Wolf Security for Business includes: HP Sure Start, HP Secure Erase ^{32,22} ; HP Sure Click ³⁴ ; HP Sure Recover ³⁰ ; HP Sure Run ³¹ ; HP Sure Sense ⁴² ; Secured-Core PC Enable ³⁵ ; Windows Hello Enhanced Sign-in Security (ESS) Enable ²⁵ ; Absolute Persistence Module ⁵⁰ ; HP BIOS Recovery ²⁵ ; HP Sure Admin ²³ ; BIOS Update via Network; HP BIOSphere ⁴⁴ ; HP DriveLock and Automatic DriveLock; HP Wake on WLAN; Audio Permanent Disable; TPM 2.0 Embedded Security Chip (Common Criteria EAL4+ Certified) (FIPS 140-2 Level 2 Certified)
Security Software Licenses	HP Wolf Pro Security Edition ⁵⁶
Fingerprint reader	Fingerprint reader (select models)



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Management features	HP Client Catalog (download) ⁹ ; HP Client Management Script Library (download) ¹⁰ ; HP Cloud Recovery ²⁶ ; HP Patch Assistant (download); HP Image Assistant (download) ³⁸ ; HP Manageability Integration Kit (download) ²⁷ ; HP Power Manager with Battery Health Manager (download) ⁵³ ; HP Driver Packs (download); HP Connect for Microsoft Endpoint Manager
Memory card device	1 smart card reader (select models); Nano SIM card slot (optional)
Power	HP 140 W Slim External AC USB Type-C® power adapter; HP 100 W wall mount USB Type-C® GaN power adapter; HP 65 W USB Type-C® GaN power adapter
Battery type	HP Long Life 3 cell, 68 Wh Polymer ⁴¹ ;
Battery recharge time	Supports battery HP fast charge: approximately 50% in 30 minutes ⁴³
Dimensions	14.13 x 9.84 x .76 in; 35.9 x 25 x 1.92 cm; (Dimensions vary by configuration)
Weight	Starting at 3.2 lb; Starting at 1.45 kg; (Weight varies by configuration and components.)
Ecolabels	EPEAT® Gold with Climate+ ⁴⁹
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Low halogen; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 60% post-consumer recycled plastic ^{45,46,47,48,50}



