

HP 23.8 inch All-in-One Desktop Next Gen AI PC 24-ct2024



Copilot+ PC



**Unlock smart work and play
with HP's AI-powered All-in-One.**

Achieve more with AI-driven technology and intuitive AI tools that redefine productivity and enhance every experience.

Product overview

- **AI-driven efficiency for improved productivity:** Unlock AI-driven efficiency with the HP All-in-One and an AMD Ryzen™ AI processor with up to 50 TOPS for smooth, responsive, and personalized computing ideal for Copilot+ PC experiences.^(41a) Work smart and accomplish more, with large storage capacity, DDR5 memory, and Copilot hotkey that instantly launches your personal AI assistant so you can seamlessly integrate AI support into any project.
- **Brilliant display, immersive experiences:** The HP 23.8-inch All-in-One elevates your visual experience with its expansive ultra-slim, three-sided micro-edge display, large screen-to-body ratio and vivid colors. Stay connected and powered up with various ports, including HDMI output. Designed for both work and play, the built-in AMD Radeon™ graphics deliver sharp visuals and top-tier gaming experiences.
- **Improved collaboration with AI enhanced features:** Connect and collaborate effortlessly with the HP 23.8-inch All-in-One, featuring an adjustable HP True Vision pop-up camera. Enjoy seamless video calls with AI-powered Windows Studio Effects, dual-array microphones, and advanced noise reduction.
- **Built for a better tomorrow:** This thoughtfully designed HP All-in-One incorporates recycled plastic and recycled metal, and is EPEAT® Gold and ENERGY STAR® Certified.⁽²⁷⁾⁽⁶²⁾
- **Customize your view:** Adjust your screen for comfortable viewing with height adjust and tilt capabilities.

Key specifications

- **Operating system:** Windows 11 Home⁽¹⁾
- **Processor:** AMD Ryzen™ AI 5 340 Processor^(2a)
- **NPU:** AMD Ryzen™ AI (50 NPU TOPS)^(6c)
- **Integrated display:** 23.8" (60.5 cm) diagonal, FHD (1920 x 1080), touch, IPS, three-sided micro-edge, anti-glare, 300 nits, 99% sRGB⁽²⁾⁽³⁾⁽⁹⁾
- **Memory:** 16 GB DDR5-5600 MT/s memory⁽³⁾ (2 x 8 GB)
- **Internal Storage:** 512 GB PCIe® Gen4 NVMe™ M.2 Solid State Drive⁽¹⁵⁾
- **Graphics:** AMD Radeon™ 840M Graphics⁽¹⁶⁾
- **Mouse and keyboard:** HP black wireless keyboard and mouse combo
- **Camera:** HP True Vision 1080p FHD IR tilt privacy camera with temporal noise reduction and integrated dual array digital microphones⁽⁸⁾⁽⁹⁾
- **USB ports:** Rear: 2 USB 2.0 Type-A, 1 USB Type-C® 5Gbps signaling rate⁽⁴²⁾, 2 USB Type-A 5Gbps signaling rate
- **Connectivity:** HDMI Out
- **Wireless:** Wi-Fi 6 (2x2) and Bluetooth® 5.4 wireless card^{(1)(9a)(25a)(26)}
- **Warranty:** 1-year limited hardware warranty

Product features

- **Get a fresh perspective with Windows 11:** From a rejuvenated Start menu, to new ways to connect to your favorite people, news, games, and content—Windows 11 is the place to think, express, and create in a natural way.⁽¹⁾
- **Copilot+ PC:** Copilot+ PC will bring exclusive on-device AI experiences designed to accelerate productivity and creativity.^(41a)
- **Microsoft Copilot:** Kickstart your creativity and productivity with Microsoft Copilot. Complements your capabilities and creativity with intelligent assistance and relevant answers. And now with the Copilot key, you can access this AI-powered intelligent assistant with a single press of a button.⁽⁴¹⁾
- **AMD Ryzen™ AI 5 340 processor:** Unlock transformational AI PC experiences with an AMD Ryzen™ AI processor. Designed for users to experience pure speed, responsiveness, and power efficient AI processing for Copilot+ PCs.
- **Integrated AMD Radeon™ graphics:** Built in AMD Radeon™ graphics deliver top tier gaming experiences wherever the day takes you.
- **LCD panel:** Experience immersive visuals with the LCD panel. Enjoy wider screen real estate for enhanced productivity and engaging multimedia content.
- **FHD IPS touchscreen:** Control your entertainment right from the screen and get crystal-clear quality with 178-degree wide-viewing angles.⁽⁹⁾⁽⁹⁾
- **Anti-glare panel:** Enjoy your favorite content with this anti-glare panel. Non-reflective and low gloss means you'll get less glare.
- **Flicker-free:** Using DC Dimming technology, we can eliminate screen flickering for more comfortable viewing.⁽⁶¹⁾
- **HP AI Companion:** Get the most out of your AI PC with the new HP AI Companion app.⁽⁷⁾⁽⁹⁾ Elevate your everyday tasks with a collection of AI tools and solutions that can increase your productivity and keep you running at your best.
- **AI Noise reduction:** Clearer conversations with artificial intelligence that filters background noise.

Additional product features

- **Effortlessly connected:** Enjoy faster speeds, improved performance and greater capacity with Wi-Fi 6 and Bluetooth® 5.4 wireless card.^{(1)(9a)(25a)(26)}
- **HP True Vision FHD IR camera:** Video chat in vibrant clarity with Full HD resolution, even in low light, with the added security of Windows Hello for a safer login experience.⁽⁸⁾⁽⁹⁾
- **PCIe® Gen4 NVMe™ M.2 SSD:** With high-speed data transfer, the PCIe® Gen4 NVMe™ M.2 SSD offers fast speed and efficient storage.
- **DDR5 RAM:** With higher bandwidth, you get more of a boost in performance.
- **Dual channel memory:** Two channels work simultaneously to double the communication speed between the memory controller and the RAM increasing system performance.
- **Zoom Certified Hardware:** The Zoom Certified badge lets customers know they can expect a high-quality, reliable communication experience through camera and speakerphone hardware tested for Zoom Rooms functionality.
- **Try PC Game Pass for free:** Play hundreds of high-quality PC games on your new HP device with 3 free months of PC Game Pass – including EA play. With new games being added all the time, there's always something new to play.⁽⁶⁰⁾

Product design

- **Three-sided micro-edge display:** See more of your screen with a three-sided micro-edge display that maximizes your viewing area.
- **Screen to body ratio:** Revolutionize your display and see more of what you love with this slim bezel design.
- **Height adjustable:** Adjust your screen's height for comfortable viewing.
- **USB Type-C® 5Gbps signaling data rate:** Plug in your external storage with this USB Type-C® port, featuring 5Gbps signaling data rate. And it's reversible, so you never have to worry about plugging in upside down.⁽⁴²⁾⁽⁴³⁾
- **USB Type-A 5Gbps signaling data rate:** Plug in your external storage with this USB Type-A port, featuring 5Gbps signaling data rate.
- **HDMI out:** Transmit digital HD video and sound to an external display.

Created with the planet in mind

HP is dedicated to driving progress toward a more sustainable future and making responsible choices for the environment and our customers. We are innovating new ways to reduce the amount of materials in our products and packaging—and to use more recycled materials in their design. Together we can make a difference.

The HP 23.8 inch All-in-One Desktop Next Gen AI PC is built with the future in mind, using environmentally conscious and recycled materials.

- Up to 10% recycled metal
- Up to 40% post-consumer recycled plastic
- Includes ocean-bound plastic
- ENERGY STAR® certified
- EPEAT® Gold⁽²⁷⁾

Warranty and support

Our Customer Support Team consistently provides quick, responsive assistance in the U.S., Canada and Latin America.

Included with your product:

- **HP's Hardware Limited Warranty:** Full warranty details are included with your product.
- **Technical Support:** Complimentary limited technical support including initial setup support, is available from HP via multiple contact methods for 90 (ninety) days from date of purchase.

Support Options:

- **HP Support Assistant - HPSA:** Optimized to enhance your support experience. Help for your PC and HP printers whenever you need it.⁽⁵⁸⁾
- **Online Support:** For technical support with this product, visit HP Customer Support <http://support.hp.com>.⁽¹⁰⁾
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Community at community.hp.com, on Twitter at twitter.com/HPsupport, and Facebook at facebook.com/HPsupport.⁽¹⁰⁾



Specifications

Operating system	• Windows 11 Home ⁽¹⁾
Processor	• AMD Ryzen™ AI 5 340 Processor ^(2a) • 6-core • AMD Ryzen™ AI (50 NPU TOPS) ^(6c)
Processor speed	• up to 4.8 GHz max boost clock ^(2d)
Cache	• 22 MB Cache
Memory	• 16 GB DDR5-5600 MT/s memory ⁽³⁾ (2 x 8 GB) (expandable to 64 GB (32GB x 2)) ^(3a)
Internal storage	• 512 GB PCIe® Gen4 NVMe™ M.2 Solid State Drive ^(1,5)
Finish	• HP finish in Jet Black
Video graphics	• AMD Radeon™ 840M Graphics ⁽¹⁶⁾
Network interface	• Integrated 10/100/1000 GbE LAN ⁽²⁹⁾
Wireless connectivity	• Wi-Fi 6 (2x2) and Bluetooth® 5.4 wireless card ^{(1,9e)(25a)(26)}
Memory slots	• 2 DIMM (SO-DIMM) (occupied)
Expansion slots	• 2 M.2 (occupied)
External ports	• Headphone/Microphone Combo • Rear: 2 USB 2.0 Type-A, 1 USB Type-C® 5Gbps signaling rate ⁽⁴²⁾ , 2 USB Type-A 5Gbps signaling rate, 1 RJ-45, HDMI Out
Mouse and keyboard	• HP black wireless keyboard and mouse combo
Camera	• HP True Vision 1080p FHD IR tilt privacy camera with temporal noise reduction and integrated dual array digital microphones ⁽⁸⁹⁾
Microphone	• Dual array digital microphone
Integrated display	• 23.8" (60.5 cm) diagonal, FHD (1920 x 1080), touch, IPS, three-sided micro-edge, anti-glare, 300 nits, 99% sRGB ⁽²⁰⁾⁽³⁹⁾
Screen to body ratio	• 89.39% (with speaker area) ^(40b) • 98.16% (without speaker area) ^(40c)
Tilt/stand design	• Tilt Angle: -5° ~20° • Stand Type: Height adjustable detachable stand
Power supply	• 90 W Smart AC power adapter
Dimensions	• Unpackaged: 21.28 in (W) x 7.34 in (D) x 19.09 in (H) approx. • Packaged: 25.20 in (W) x 6.89 in (D) x 18.11 in (H) approx.
Weight	• Unpackaged: 12.19 lb approx. ⁽⁷⁶⁾ • Packaged: 21.12 lb approx.
Warranty and support	• 1-year limited hardware warranty. Additional information available at www.support.hp.com • 90 days limited technical support for software and initial setup (from date of purchase) ⁽⁵³⁾

Software and technology

Next Gen AI Apps	• HP AI Companion: Get the most out of your AI PC with the new HP AI Companion app. Elevate your everyday tasks with a collection of AI tools and solutions that can increase your productivity and keep you running at your best. ⁽⁷⁹⁾ • Live Captions: When you never miss a word, you never miss a beat. Like the conversation in your video calls. Or the dialogue in your movies. If there are spoken words, Live Captions can turn them into English subtitles in real time on your screen. ^(18a) • Paint Cocreator: Light your spark. Everyone has an imagination and an ability to be an artist. Describe or draw your vision with text or image prompts and watch Paint Cocreator generate an interpretation of it.
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Learn more at hp.com

Help and support	• HP Support Assistant: Help with your HP PC and printers whenever you need it. ⁽⁵⁶⁾ • myHP: Customize, optimize, and secure your device with tips and tricks and easy-to-access settings, and receive helpful messages and information to keep things running smoothly.
Security and protection	• HP BIOS Protection: Get peace of mind knowing your PC BIOS is protected. HP BIOS Protection automatically checks its health and recovers itself. ^(2,3)
Partner offers	• Dropbox cloud storage: Store and synchronize your content online with Dropbox. Get 100GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access. ⁽¹⁰⁾⁽²²⁾ • McAfee 30-day trial: Secure your privacy and data when browsing on public Wi-Fi with VPN, included in your free McAfee 30-day trial. ⁽⁸⁾⁽¹⁰⁾ • Adobe Offer: Get a complimentary 1 month trial of the best creativity and productivity apps from Adobe with the purchase of a computer from HP. Create anything you can imagine – photos, videos, graphics, webpages, PDFs, and more. Get started with the app that best fits your need. ^(88a) • Try PC Game Pass for free: Play hundreds of high-quality PC games on your new HP device with 3 free months of PC Game Pass. ⁽⁶⁰⁾
System performance	• HP Connection Optimizer: Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points. ⁽¹⁰⁾
Work and lifestyle	• HP Enhanced Lighting: Easily enhance brightness, color and lighting effects to look your best during video calls with integrated HP Enhanced Lighting app. • Windows Studio Effects: Experience next generation video calls enabled by AI. Keep everyone in view with automatic framing while staying connected with eye contact. Experience better privacy with background blur and choose optional portrait effect to soften background and have an aesthetic look. • Copilot+ PC: Copilot+ PC will bring exclusive on-device AI experiences designed to accelerate productivity and creativity. ^(41a) • Microsoft Copilot: Microsoft Copilot gives you intelligent answers. Access with just the touch of the Copilot key. ⁽⁴¹⁾ • AI Noise reduction: Enjoy clearer team conversations with AI Noise reduction. Using artificial intelligence, it filters out background noise in multi-person environments and captures multidirectional sound with spatial awareness.
Gaming and entertainment	• OMEN Gaming Hub: Your one place for everything to make your gaming experience better. From software enhancements to hardware control, and live services, OMEN Gaming Hub elevates play in an easy and simple way.

Additional information

Product number	• B5UG7AA#ABA
Ad embargo date	• 03/07/2025
UPC code	• 198990145310
Country of origin	• China
Pallet information	• Dimensions: 47.24 in (L/D) x 39.37 in (W) x 77.56 in (H) approx. • Total weight: 844.80 lb approx. • Layers: 4 • Products per layer: 10 • Total products per pallet: 40

⁽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>. ^(2a) Multi-core 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. AMD and Radeon are trademarks of Advanced Micro Devices, Inc. ^(2d) Max Boost clock frequency performance varies depending on hardware, software and overall system configuration. GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance. ⁽³⁾ Up to 512MB of main system memory may be allocated to support video graphics. ^(3a) Based on system capability, actual spec offering may be different. Maximum upgradeability will vary by model. ^(6c) Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Potential NPU inferencing performance varies by use, configuration, software and other factors. ⁽⁸⁹⁾ McAfee is preinstalled on your PC and an account is required for activation. Subscription renewal required after trial period. VPN feature is not available in India, China, Syria or North Korea. McAfee and the McAfee logo are trademarks or registered trademarks of McAfee, Inc. in the United States and other countries. ⁽¹⁰⁾ Internet service required and not included. ⁽¹⁵⁾ Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. ⁽¹⁶⁾ Part of the total system memory (RAM) is used for graphics/video performance. System memory dedicated to graphics/video performance is not available for other use by other programs. ^(18a) Currently supports translation for video and audio subtitles into English from 40+ languages. See <https://aka.ms/nextgenai>. ^(19a) Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. Only available in countries where Wi-Fi 6 is supported. ⁽²⁰⁾ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. ⁽²³⁾ 100GB of free online storage for one year from date of registration. For complete details and terms of use, including cancellation policies, visit the website at dropbox.com. Internet service required and not included. ⁽²³⁾ HP BIOS Protection works with Windows 11 that ships with your PC. ^(25a) Bluetooth® 5.4 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.4 will function as Bluetooth® 5.3 or lower. ⁽²⁶⁾ Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. ⁽²⁷⁾ Based on U.S. EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information. ⁽²⁹⁾ Actual speeds may vary. ⁽³⁹⁾ Full High Definition (FHD) content is required to view FHD images. ^(40b) Percent of active and nonactive viewing area to bezel area including speaker. ^(40c) Percent of active and nonactive viewing area to bezel area excluding speaker. ⁽⁴¹⁾ Copilot key feature availability varies by market, see aka.ms/keysupport. Copilot is NOT available in China, Russia, Belarus, and embargoed regions Cuba, Iran, North Korea, Crimea. ^(41a) On some devices, some Copilot+ PC experiences require free updates continuing to roll out through early 2025. Timing varies by device and region. See aka.ms/copilotpluspc. ⁽⁴²⁾ USB Type-C® and USB-C® are trademarks of USB Implementers Forum. ⁽⁴³⁾ Actual throughput may vary. ⁽⁵³⁾ Call 1.800.474.6836 or support.hp.com for more information on Care Packs available after standard warranty expires. After standard warranty expires, an incident fee may apply. ⁽⁵⁶⁾ For more information visit hp.com/go/hpsupportassistant. (Link will vary outside of the U.S.) HP Support Assistant is only available on Windows-based PCs. Internet connection required for updating and connecting to HP Support. ⁽⁶⁰⁾ Xbox Game Pass sold separately. Credit card required. Unless you cancel, you will be charged the then-current regular membership rate when the promotional period ends. Terms, exclusions, and streaming limits apply. Xbox Cloud Gaming (Beta): select devices and regions. After term, active membership required to play games and online multiplayer. Game catalog varies over time, region, and by device. DLC sold separately; if a game is removed from catalog or your membership ends, you will need to purchase the game separately to use your DLC. If you're already an Xbox Live Gold and/or Game Pass for Console/PC member, any days remaining in your membership/s will be converted to Ultimate using a conversion ratio. Future code redemptions also subject to conversion ratio. All conversions to Ultimate are final. Details and system requirements at xbox.com/gamepass. Offer valid in all Xbox Game Pass markets excluding Russia. Digital Direct: Your digital content will be delivered directly to your device during set-up; no codes required. PC Game Pass: Subscription continues automatically at regular monthly price unless cancelled. Subject to xbox.com/subscriptionterms. ⁽⁶¹⁾ The Flicker-free capability is eliminating screen flickering through integrating DC-dimming LED backlights or LED emissions. OLED panel is functional with DC-DIMMING when above 100nits. ⁽⁶²⁾ ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. ⁽⁷⁶⁾ Weight and system dimensions may fluctuate due to configuration and manufacturing variances. ⁽⁷⁹⁾ Requires a HP next gen AI PC with a NPU supporting 40-60 TOPS and requires Windows 11. Perform requires account set up within 30 days of PC boot or enrollment through the HP AI Companion app. Some features require customer upload of local data. Five (5) library 100MB limit each, supported files may vary and at launch include pdf, .txt., .docx files. ^(88a) Offer available worldwide (excluding China and embargoed countries or other countries identified as restricted by applicable law or regulation) to new and existing subscribers who are 18+. Click on the Adobe icon in the start menu to redeem a 1-month free trial membership for select Adobe software. The software is tied to the device and is not transferable. If you would like to sign up for an auto-renewing subscription, you can provide your payment method at sign-up. By adding a payment method, your subscription will automatically renew at the then current rate on your renewal date until you cancel. If you cancel before the end of the one-month free trial, you won't be charged. You can cancel your subscription anytime via your Adobe Account page or by contacting Customer Support. Please see current prices for Adobe products available in this offer. Offer not available to Education, OEM, or volume licensing customers. Subject to availability where the recipient resides. Additional terms and conditions may apply. VOID WHERE PROHIBITED OR RESTRICTED BY LAW. ⁽⁸⁹⁾ Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. Actual product may vary from image shown on datasheet. © Copyright 2025 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing shall be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. All other trademarks are property of their respective owners. 03/10/2025_r2 ja

