HP OmniBook X Flip 16 inch Laptop Next Gen AI PC 16-ar0013dx



Copilot+PC







Steal the show, with Flip

A vibrant 16 inch touch display ensures you always have the best seat in the house, while the flexibility to use it flipped, folded, or flat ensures that it's also the most comfortable and productive.

- All star-power: Here all the power credit goes to the AMD Ryzen™ AI 300 series processor and built-in NPU. It delivers the power, speed, and efficiency you need to create and stream whatever you want. Personalized Al assistants, like Copilot+ PC experiences, add to it by helping you become more efficient. (41a)
- Designed for the spotlight: Designed to look and sound as good as it performs, this Next Gen AI PC was made from sleek, recycled metal, with 4 versatile modes—clamshell, tent, tablet, and reverse. Premium speakers and Poly Studio audio tuning deliver top-notch sound for your best work and play experience.
- The bigger, the better: Bigger is always better with a 16 inch touch display. It crystallizes images and dials up vibrancy, so whatever you are watching or creating is crisp with high contrast. To make what you create look even better, add a stylus for more intuitive and controlled sketching and editing.
- Built for a better tomorrow: HP OmniBook X Flip 16 Next Gen Al PCs are designed using recycled metals and postconsumer recycled plastics.

Key specifications

- Operating system: Windows 11 Home(1)
- Processor: AMD Ryzen™ AI 5 340^(2a)
 NPU: AMD Ryzen™ AI (50 NPU TOPS)^(6c)
- Display: 16-inch diagonal, 2K (1920 x 1200), multitouch-enabled, IPS, edge-to-edge glass, micro-edge Memory: 16 GB LPDDR5x-7500 MT/s (onboard)
- Internal storage: 512 GB PCIe® Gen4 NVMe™ M.2 SSD⁽¹⁵⁾
 Graphics: AMD Radeon™ 840M Graphics⁽¹⁴⁾
- Sound: Poly Studio with dual speakers, DTS: X® Ultra
- Battery life:

Up to 15 hours and 45 minutes (mixed usage)^(85a)

- Up to 21 hours (video playback)⁽⁷⁵⁾
 Up to 16 hours (wireless streaming)⁽⁸⁰⁾
 Wireless: Wi-Fi 6E (2x2)⁽¹⁹⁴⁾ and Bluetooth® 5.3 wireless card⁽²⁵⁾⁽²⁶⁾ (supporting gigabit data rate)^(7e)
- Security: Camera privacy shutter, Mic mute key
 Camera: SMP IR camera with temporal noise reduction and integrated dual array digital microphones^{(89)(89b)}
- Product weight: 4.18 lb⁽⁷⁶⁾
 Keyboard: Full-size, backlit, soft grey keyboard

- 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 Al experiences designed to accelerate productivity and
- $\bullet \ \ \textbf{Microsoft Copilot:} \ \ \text{Kickstart your creativity and productivity with Microsoft Copilot.} \ \ \text{Complements your capabilities and}$ creativity with intelligent assistance and relevant answers. And now with the Copilot key, you can access this Al-powered intelligent assistant with a single press of a button. (41)

 AMD RyzenTM AI 5 340 processor: Unlock transformational AI PC experiences with an AMD RyzenTM AI processor.
- Designed for users to experience pure speed, responsiveness, and power efficient Al processing for Copilot+ PCs.

 Integrated AMD Radeon^m 840M graphics: Built in for thrilling gaming performance, high resolution display support and hardware accelerated encoding with or without a discrete graphics card.
- 2K touchscreen with IPS: Intuitive touchscreen technology lets you control your PC right from the screen. And transform your content with 1920 x 1200 resolution and 178-degree wide-viewing angles. AMD FreeSync™ technology: Say goodbye to choppy gameplay and enjoy tear free, seamless visuals across all your games. AMD FreeSync™ display technology optimizes refresh rates for flawless sync with your graphics. (45)
 16:10 aspect ratio: Lets you see more of your content with less scrolling.
- LPDDR5x RAM: Experience speedy and responsive performance with the power efficient LPDDR5X memory. Designed to support higher data rates with less latency, plus faster file transfers and application load.

Additional product features

- HP Fast Charge: Go from 0 to 50% charge in approximately 45 minutes. (78)
- Effortlessly connected: Enjoy faster speeds, improved performance, greater capacity and lower latencies than earlier iterations with Wi-Fi 6E and Bluetooth® 5.3 wireless card. (19x)(25)(26)
- HP 5MP IR camera with HDR switch: Take visually stunning works of art with HP 5MP IR camera with HDR switch capabilities. With High Dynamic Range and 16:10 aspect ratio you get HD content natively, so you can capture more gradients between lights and darks for truer color accuracy. (894)
- PCle® Gen4 NVMe™ M.2 SSD: With high-speed data transfer, the PCle® Gen4 NVMe™ M.2 SSD offers fast speed and
- Poly Studio Audio with dual speakers: HP + Poly together will continuously accelerate innovation across our hybrid solutions, including Al-generated technology. With pitch perfect audio, you'll get the best experience to collaborate anywhere with audio tuned by Poly Studio.
- HP Audio Boost 2.0: Powered by Smart Amp technology provides you loud, rich, and dynamic sound.

 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. (6)

Product design

- 90.7% screen to body ratio: Revolutionize your display and see more of what you love with this slim bezel design. Enjoy an immersive multimedia experience with a maximized viewing area.
- · Backlit keyboard: Keep going comfortably even in darker environments.
- Camera shutter: Ensure your privacy with a visible shutter that turns off your PC's camera
- Microphone mute: Enjoy greater peace of mind with a dedicated mic mute button that you can easily activate and know it's on or off with an LED indicator light.

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.

• Built with the environment in mind, this laptop is designed using sustainable materials like:

- Ocean-bound plastic in bezel and speaker enclosures^(63c)
 Top cover, base, keyboard deck and hinge caps contain recycled metal^(63d)
- Keyboard keycaps and scissors contain post-consumer recycled plastic (63)
- HP's outer boxes and fiber cushions used in packaging are 100% sustainably sourced and recyclable^(63e)
 ENERGY STAR® certified⁽⁶²⁾
- EPEAT® Gold with Climate+ registered(27a

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 for Software & initial set-up: Warranty details are included with your product
- HP Support Assistant HPSA: Optimized to enhance your support experience. Help for your PC and HP printers
- Online Support: For technical support with this product, visit HP Customer Support http://support.hp.com.(9
- 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.⁽⁹⁾



















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Operating system	- Windows 11 Home ⁽¹⁾		
Processor	AMD Ryzen™ Al 5 340 ^(2a)		
	• 6-Core		
	AMD Ryzen™ AI (50 NPU TOPS) ⁽⁶⁾		
Processor speed	Up to 4.8 GHz max boost clock ^[2:d]		
Processor cache	• 16 MB L3 cache		
Memory	16 GB LPDDR5x-7500 MT/s (onboard)		
Video graphics	AMD Radeon™ 840M Graphics(14)		
Internal storage	512 GB PCIe® Gen4 NVMe™ M.2 SSD(15)		
Finish and features	Top cover: meteor silver aluminum with a sandblasted anodized finish		
	Keyboard deck: meteor silver aluminum with a sandblasted anodized finish		
Camera	5MP IR camera with temporal noise reduction and integrated dual array digital microphones (800)(810)		
Display	 16-inch diagonal, 2K (1920 x 1200), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, 400 nits, 62.5% sRGB⁽²⁰⁾ 		
	AMD FreeSync ^{m(45)}		
Screen to body	• 90.7%(⁽⁴⁰⁾		
ratio			
Wireless	Wi-Fi 6E (2x2) ^(19c) and Bluetooth® 5.3 wireless card ⁽²⁵⁾⁽²⁶⁾ (supporting gigabit data rate) ^(7a)		
Sound	Poly Studio with dual speakers		
	DTS:X** Ultra		
Integrated kevboard	Full-size, backlit, soft grey keyboard		
	HP Imagepad		
External notebook	 1 USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1, HP Sleep and Charge)^{(42RS0(64)} 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1, HP Sleep and Charge)^{(42RS0(64)} 		
ports	1 OSB Type-C TOGODS signaling rate (OSB Power Delivery, DisplayPort 2.1, Fir Seep and Charge) 2 USB Type-A 10Gbps signaling rate		
	1 Headphone/microphone combo		
	• 1 HDMI 2.1		
Dimensions	Unpackaged: 14.02 in (W) x 9.67 in (D) x 0.61 in (H) ^(76a)		
	 Front height is measured at 0.48 in, rear height is measured at 0.61 in, and maximum height is measured at 0.71 in. 		
	Packaged: 16.65 in (L) x 3.15 in (W) x 11.93 in (H)		
Weight	Unpackaged: 4.18 lb ⁽⁷⁶⁾		
	• Packaged: 7.14 lb		
Security	Camera privacy shutter		
	Mic mute key		
Power	4-cell 68 Wh Li-ion polymer battery ⁽²⁾ 5-cell 68 Wh Li-ion polymer battery ⁽²⁾		
	65 W USB Type-C* power adapter ⁽⁴²⁾		
Battery life	Up to 15 hours and 45 minutes (mixed usage) ^(85a)		
	Up to 21 hours (video playback) ⁽⁷⁵⁾ Up to 16 hours (wireless streaming) ⁽⁸⁰⁾		

Warranty and	1-year limited hardware warranty. Additional information available at www.support.hp.com ⁽⁶⁾ 1-year limited hardware warranty. Additional information available at www.support.hp.com ⁽⁶⁾		
support	 1-year limited technical support for software and initial setup (from date of purchase)⁽⁵³⁾ 		

Security and protection	 HB BIDS Protections (set pace of mind knowing) your PC BIDS is protected. HB BIDS Protection automatically the dos its health and recovers itself 0rd. Presence Sensing: Experience optimal security and efficiency with Presence Sensing, Automatically lock and wake your PC, saving power and getting back to work quickly. Easy access with a single citik from myelt 0rd. Detects when to hilbernatice. Your laptop automatically detects when placed in a carrying bag and goes into hibernation to prevent battery drain and overheating. 			
Partner offers	 Adobe Offer: Get a complimentary 1 month trial of the best creativity and productively apps from Adobe with the purchase of a computer from HP. Create anything you can imagine— photos, before, graphics, webgase, PDFs, and more, Cet started with the export has test fixey some range. Before 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 anythewer with therest access. IPDD McAfee 30-day trials: Secure your privacy and data when browsing on public WF-F with VPM, included in your few McAfee 30-day trial secure of the public of high-quality Cigams on your new HP device with 31 few months of PC Game 160. 			
System performance	 HP Connection Optimizer: Get consistent and reliable Wi-Fiperformance with software that automatically switches between the most efficient wireless access points.³⁰ Battery Manager: Improves battery lifespan with Battery Manager. Reduce wear and continually protect optimum battery capacity. Smart Sense: Minimize interruptions and maximize productivity with HP Smart Sense, an A-diven technology that optimizes PC performance, fan noise and cooling preferences, beligning outsign focus on your tasks without distractions. 			
Work and lifestyle	 Cipilote PC Copilote PC Will bring exclusive on-dwice All experiences designed to accelerate productively and creatively. Will bring exclusive models are seven as well as the count of the Copilote Reprofit Copilote Reprofit Copilote Reprofit Copilote Reprofit Copilote Reprofit Copilote Reprofit Advanced Planking and Copilote Reprofit Copilote Reprofit Repro			
Gaming and entertainment	 DTS. Xº Ultra technology: By producing authentic, spatially accurate 3D sound, this technology gives games, movies, and music a level of depth and immersion for the best entertainment experience possible. OMEN Gamily Bulk? Varu ore 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. 			

Product number

Country of origin

Dimensions: 47.24 in (L) × 39.37 in (W) × 42.29 in (H) **Total weight:** 676.6 lb

	Mic mute key			
Power	4-cell 68 Wh Li-ion polymer battery ⁽²¹⁾ 65 W USB Type-C [®] power adapter ⁽⁴²⁾			
Battery life	Up to 15 hours and 45 minutes (mixed usage) ^{MISAI} Up to 21 hours (wide playback) ^{O13} Up to 16 hours (wide loss streaming) ^{RISAI}			
Warranty and support	1-year limited hardware warranty. Additional information available at www.support.hp.com ⁽⁵⁾ 1-year limited technical support for software and initial setup (from date of purchase) ⁽⁵³⁾			
Software and t				
Next Gen Al Apps	 Paint Coreator: Light your spark. Everyone has an imagination and an ability to be an artist. Describe or draw your vision with text or image prompts are watch Paint Coreator generate an interpretation of it. Use 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, Like Captions can turn them into English subtitles in real time on your screen. ^{(Sall}) 189 At Companion. Get the most out of your AP.C with the new HP At Companion app. Elevate your everyday tasks with a collection of AI tools and solution that can increase, your productively and keep your profusely syour best, 1979. 			
Help and support	HP Support Assistant: Included with your computer, this free self-help tool makes it easier than ever to get help with your HPPC and printers. (156) mwHP: Customize, optimize, and secure your device with tips and tricks and easy-to-access settings, and receive helpful messages and information to ke			

Learn more at hp.com

ww.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. (sc) 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. (120 Wi-Fi GE is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately. (8) 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. (9) Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. (14) Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by other programs. (15) Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. (18a) Currently supports translation for video and audio subtitles into English from 40+ languages. See https://aka.ms/nextgenaipcs (19c) Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where 6GHz is supported. (20) All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. (21) Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors. (22) 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. (25) Bluetooth® 5.3 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.3 will function as Bluetooth® 5.2 or lower. [26] Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. (27a) See www.epeat.net for registration status and tier levels by country. (40) Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk. (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/copilotpluspcs. (42) USB Type-C® and USB-C® are trademarks of USB Implementers Forum. (45) See ww.amd.com/freesyncfor.complete details. © 2024 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD Arrow logo, Radeon, FreeSync, and combinations thereof are trademarks of Advanced Micro Devices, Inc. (50) DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. (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 www.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. (62) ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. (63d) Percentage of ocean-bound plastic contained in each component varies by product. (63d) Percentage of recycled metal varies by product. (63d) Percentage of recycled metal varies by product. 100% recycled wood fiber and organic material. Excludes plastic bags and plastic foam sheeting. (69) Keyboard components contain post-consumer recycled plastic. Percentage of post consumer recycled consumer recycled consumer recycled plastic. Percentage of post consumer recycled plastic. Percentage of jack port), wireless on but not connected. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage. (18) Weight and system dimensions may fluctuate due to configuration and manufacturing variances. (16a) Front height measurement is near the front edge where the chassis bottom cover taper begins. Back height measurement is near the back edge where the chassis bottom cover taper ends, excluding transition area to rubber feet. (77) See URL for more details. https://learn.microsoft.com/en-us/windows-hardware/design/device-experiences/sensors-presence-sensing (18) Recharges your battery up to 50% within 45 minutes when the system is off (using "shut down" command). Recommended for use with the HP adapter provided with the notebook, not recommended with a smaller capacity battery charger. After charging has reached 50% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. (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. (80) Battery life tested by HP using continuous Netflix video playback, Microsoft Edge Browser, 200 nits brightness, system audio level as image default, headphone attached or through speaker (if no audio jack port), played full-screen, wireless on. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage. (85a) MobileMark 25 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See bapco.com/products/mobilemark-25/ for additional details. (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. (899) Camera resolution refers to the image sensor active pixels. The actual image capture pixels and aspect ratio depend on the app selected. (890) The default aspect ratio for the camera is set to 16:9, users have the option to adjust it to 16:10 from within the camera settings. 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. 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(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://

