HP OmniBook X Flip 16 inch Laptop Next Gen AI PC 16-as0033dx



Copilot+PC





Let Flip entertain you

Whether you want to be entertained or finish creative work, this Alpowered PC has the processor speed and performance to make it happen. Engineered with a dazzling 16 inch display and the ability to view it flat, folded, or flipped, you can enjoy vibrant, high-contrast colors in any angle that suits your mood.

- **Al-boosted brainpower:** Fueled by an Intel® Core™ Ultra processor and a built-in NPU. Supported by an Al assistant, like Copilot+ PC for personalized AI experiences, you have the power and speed to work more and play harder. (41a) **Looks good. Feels good.** Engineered in sleek, recycled metal and with the flexibility to watch and work in any
- mode—clamshell, tent, tablet, and reverse— this Next Gen AIPC was designed to look as good as you feel when using it. Premium speakers and audio tuning by Poly Studio round out the audio experience for your ears too.

 • A dazzling display: Everything looks bigger and better on a 16 inch touch display. Whether you are working on your
- latest project or watching your favorite show, the colors are vibrant and images are crisp. See more and do more optional stylus, and let your creations dazzle.
- Built for a better tomorrow: HP OmniBook X Flip 16 Next Gen AI PCs are designed using recycled metals and postconsumer recycled plastics

Key specifications

- Operating system: Windows 11 Home(1)
- Processor: Intel® Core™ Ultra 7 258V^(2b)
 NPU: Intel® AI Boost (47 NPU TOPS)^(6c)
- Display: 16-inch diagonal, 2K (1920 x 1200), multitouch-enabled, IPS, edge-to-edge glass, micro-edge Memory: 32 GB LPDDR5x-8533 MT/s (onboard) Internal storage: 2 TB PCIe® Gen4 NVMe™ M.2 SSD⁽¹⁵⁾ Graphics: Intel® Arc™ 140V GPU (16GB)⁽¹⁴⁾

- Sound: Poly Studio with dual speakers, DTS: X® Ultra
- Batterv life:

- Battery life:
 Up to 15 hours and 45 minutes (mixed usage)^(85a)
 Up to 23 hours (video playback)⁽⁷⁵⁾
 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: 5MP IR camera with temporal noise reduction and integrated dual array digital microphones^{(89)(89)h}
- Product weight: 4.15 lb⁽⁷⁶⁾
 Keyboard: Full-size, backlit, darker eclipse gray opaque 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.

 Copilot+ PC: Copilot+ PC will bring exclusive on-device AI experiences designed to accelerate productivity and
- 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 Al-powered intelligent assistant with a single press of a button. (41) Intel® Core™ Ultra 7 processor: Work, play and create with unmatched performance with an AI accelerating Intel® Core™ Ultra processor. Helpful assistants, instant media generation and collaboration effects to make everything you do easier, faster, better. More than a PC, it's an AI PC.
- Intel® Arc™ graphics: With Intel® Arc™ graphics built-in, Al powers advanced creation and gameplay. Enjoy the high performance needed for accelerated creation and immersive high-resolution gaming, even while on-the-go.
 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. **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 pport higher data rates with less latency, plus faster file transfers and application load
- HP Fast Charge: Go from 0 to 50% charge in approximately 45 minutes.

Additional product features

- 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. (19c/IZ5I/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. [89:40]
- 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. (60)

- 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)

















Operating system	Windows 11 Home ⁽¹⁾
Processor	Intel® Core™ Ultra 7 258V ^(2b)
	8-Core
	Intel® AI Boost (47 NPU TOPS)(6c)
Processor speed	Up to 4.8 GHz with Intel® Turbo Boost Technology ^(2g)
Processor cache	12 MB L3 cache
Memory	32 GB LPDDR5x-8533 MT/s (onboard)
Video graphics	Intel® Arc™ 140V GPU (16GB) ^(14b)
Internal storage	2 TB PCIe® Gen4 NVMe™ M.2 SSD ⁽¹⁵⁾
Finish and features	Top cover: eclipse gray aluminum with a sandblasted anodized finish Keyboard deck: eclipse gray aluminum with a sandblasted anodized finish
Camera	5MP IR camera with temporal noise reduction and integrated dual array digital microphones ^{(89)(89b)}
Display	16-inch diagonal, 2K (1920 x 1200), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, 400 nits, 62.5% sRGB ⁽²⁰⁾
Screen to body ratio	• 90.7% ⁽⁴⁰⁾
Wireless	Wi-Fi 6E (2x2) ^(19c) and Bluetooth [®] 5.3 wireless card ⁽²⁵⁾⁽²⁶⁾ (supporting gigabit data rate) ⁽⁷⁰⁾
Sound	Poly Studio with dual speakers DTS: X [®] Ultra
Integrated keyboard	Full-size, backlit, darker eclipse gray opaque keyboard HP Imagepad
External notebook ports	1 Thunderbolt [™] 4 with USB Type-C [®] 40Clops signaling rate (USB Power Delivery, DisplayPort [™] 2.1, HP Sleep and Charge(^{MCROSISTINE} 1.105 Type-C [®] 1.06ps signaling rate (USB Power Delivery, DisplayPort [™] 1.4a, HP Sleep and Charge(^{MCROSISTI} 2.105 Type -1 Olops signaling rate 1 USB Type -1 Olops signaling rate 1 Headphone/microphone combo 1 HDM 2.1 1 HDM 2.1
Dimensions	Unpackaged: 14.02 in (W) x 9.57 in (D) x 0.61 in (H) ^(Not) 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: (5.65 in (L) x 3.15 in (W) x 11.93 in (H)
Weight	Unpackaged: 4.15 lb ⁽⁷⁶⁾ Packaged: 7.05 lb
Security	Camera privacy shutter 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) ^(85s) Up to 23 hours (video playback) ⁽⁷⁵⁾
Warranty and support	1-year limited hardware warranty. Additional information available at www.support.hp.com ⁽⁹⁾ 1-year limited technical support for software and initial setuo (from date of purchase) ⁽⁵³⁾

Software and technology

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 HP PC and printers. [56] muHP: Customize, optimize, and secure your device with tips and tricks and easy-to-access settings, and receive helpful messages and
	 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 furn them into English subtilets in real time on your screen. ¹⁸⁸¹ HP AI Companion. Get the most out of your AI PC with the new IP AI Companion app. Elevate your everyday tasks with a collection of AI tools an solutions that can increase your productivity and keep you running at your best.²⁷⁰
HEAL GEII AI APPS	prompts and watch Paint Cocreator generate an interpretation of it.

HP BIOS Protection: Get peace of mind knowing your PC BIOS is protected. HP BIOS Protection automatically checks its health and Security and Tresence 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 click from myRPIP? Detects when to Memerate: "Or a lipsop automatically detects when placed in a carrying bag and goes into hibernation to prevent battery dra Adobe Offer. Get a complimentary I month trial of the best creativity and productivity apps from Adobe with the purchase of a computer from Create anything you can imagine – photos, videos, graphics, webpages, POFs, and more. Get started with the app that best fits your need. Real Porphox doud Storages for early synchronize your content online with Drophox. Get 100GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access. Willow water your jurkuus, musts, am ones from anywhere with Internet access.^{10,64} Michie 30-day trial. Secure your privax on did alaw hen browing on public Wei H-i with VPN, included in your free McAfee 30-day trial. ^{8,890} Try PC Game Pass for free: Play handreds of high-quality PC games on your new HP device with 3 free months of PC Game Pass. ^{8,900} Ackdee Deepfale Gavettor. Browse freely knowing well aller fun in seconds if you've auctings a deepfales. Advice Deepfale Game Pass in the More Deepfale Carbon on the More Carbon on the More Carbon of the More Carbon on the Mor McAfee 30-day trial: Se HP Connection Optimizer: Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points. ¹⁰ Battery Manager: Improves battery lifespan with Battery Manager. Reduce wear and continually protect optimum batt Smart Sense: This Al-diven optimizer switches modes to optimize performance based on your activity. Temperature a automatically by managing warmth and noise levels for your conflort. Automatic notifications size away the worty and Copiliot PC: Copilot PC will bring exclusive on-device Al experiences designed to accelerate productivity and creativity. ^(6,10) Microsoft Copilot: Microsoft Copilot (Positor Gopilot (Positor) (

Lighting app.

*PolyCamear Parc Elevate your video calls with Al from any camera connected to enhance virtual interactions, customizable settings and professional grade features across all collaboration and streaming apps, without scarlifting performance or battery.

*Screen Distance and Screen Time: Others a customized experience to support the vellbeing of the whole family. Manage reminders for balanced productify and encourage proper posture white minimizing eyestrain.

*Windows Studio Effects: Experience next generation video calls enabled by Al. Keep everyone in view with automatic framing while staying connected with eye contact. Experience better privacy with brudgound dated not droose optional portrat effect to offen badgound dard have an

DTS: X* 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 Gaming Hub: Your one place for everything to make your gaming experience better. From software enhancements to hardware control,
and five services, OMEN Gaming Hub elevates play in an easy and simple way.

Product number	B5UH2UA#ABA	
Ad embargo date	05/04/2025	
UPC Code	198990145389	
Country of origin	China	
Pallet information	Dimensions: 47.24 in (L) × 39.37 in (W) × 42.29 in (H)	
	Total weight: 668.5 lb	

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ion to keep things running smoothly.

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. (26) 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. Intel's numbering, branding and/or naming is not a measurement of higher performance. Intel, Pentium, Intel Core, Celeron, Iris X®, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries. (29) Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See intel.com/technology/turboboost for more information. GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance. (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. (7c) Wi-Fi6E is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately. (a) 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. 🕬 Internet access required and not included. McAfee is preinstalled on your PC and an account is required for activation. Subscription renewal required after trial period. See website https://www.mcafee.com/en-us/consumer-support/policy/legal.html#webtos for cancellation, terms and offer details. (9) Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. (14b) Intel® Arc™ Graphics capabilities require system to be configured with Intel® Core™ Ultra processors with dual channel memory and at least 16GB memory. Intel® Arc™ Graphics with Intel® Core™ Ultra processors with single channel memory will only function as Intel® Graphics brand. (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 (19d) 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. (50) DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Videc Electronics Standards Association (VESA®) in the United States and other countries. (53) Thunderbolt is a trademark of Intel Corporation or its subsidiaries in the U.S. and/or 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 and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. (630 Percentage of ocean-bound plastic contained in each component varies by product. (630 Percentage of recycled metal varies by product. (630 Percentage of recycled metal varies by product. (630 ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. (630 Percentage of ocean-bound plastic contained in each component varies by product. (630 Percentage of recycled metal varies by product. (630 Percentage of recycled metal varies by product. (630 ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. (630 Percentage of cean-bound plastic contained in each component varies by product. (630 Percentage of recycled more product). (630 Percentage of recycled more plastic plasti each component varies by product. (6:0) For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device. (75) Battery life tested by HP using continuous FHD video playback, 1080p (1920x1080) resolution, 200 nits brightness, system audio level as image default, player audio level at 100%, played full-screen from local storage, headphone attached or through speaker (if no audio 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. (16) Weight and system dimensions may fluctuate due to configuration and manufacturing variances. (761) From 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 (78) 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. (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 transferrable. 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, DEM, 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. (890) 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

