HP OmniBook X 17.3 inch Laptop Next Gen AI PC 17-dd0013dx



Copilot+ PC







AI boosted power, rigorously tested, stylishly designed

Backed by military testing, the HP OmniBook X 17.3 inch is the perfect blend of style and performance. Equipped with the latest Al-powered Intel® Core™ Ultra processor, you can fuel your creativity and make it more efficient with Al personalization.

Product overview

- · Engineered for above and beyond reliability: Precisely engineered for reliability, designed and tested to go above and
- Engineered for above and beyond reliability: Precisely engineered for reliability, designed and tested to go above and beyond. It's passed rigorous MIL-STD 810H US military-grade standard testing⁽⁶⁰⁾ and withstands everything from shocks to drops to extreme temps, to deliver you peace of mind and lower cost of ownership.

 With more power, comes greater creativity: Powered by Al, the latest Intel® Core³⁰⁰ Ultra processor with a dedicated Al engine, up to 47 TOPS⁽⁶⁴⁾ this PC has the performance you need for all your intensive creations. With the assistance and personalization of Copilot *1⁽⁴¹⁾ a) PC experiences, your workloads are streamlined and optimized.
- Comfort wherever you create: Create and work in comfort from anywhere. Designed for increased readability and comfortable typing with a large 17.3 inch touch display, modernized back-lit keyboard and number pad, with large keycaps. With the SMP camera and Al tools like Poly Camera Pro and Poly Studio, presentations are optimized for an
- Built for a better tomorrow: HP OmniBook X 17.3 inch Next Gen Al PCs are designed using recycled metals and postconsumer recycled plastics. (63:01630) The EPEAT® Gold with Climate+(27a) and ENERGY STAR® certified(62) design highlights our commitment to reducing environmental impact while achieving exceptional energy efficiency.

- Operating system: Windows 11 Home⁽¹⁾
- Processor: Intel® Core™ Ultra 7 256V^{(2b}
 NPU: Intel® AI Boost (47 NPU TOPS)^(6c)
- NPU: Inter™ ALBOST (47 NPU 10/55)²⁵ Display: 17.3-inch diagonal, FHD (1920 x 1080), multitouch-enabled, IPS, edge-to-edge glass, micro-edge⁽³⁹⁾

 Memory: 16 GB LPDDR5x-8533 MT/s (onboard)

 Internal storage: 11 PD (1e® Gen A IVMe™ M.2 SSD(15)

 Graphics: InterNet Arc™ 4.0V GPU (8GB)(14b)

 Sound: Poly Studio with dual speakers

- · Battery life:

Up to 17 hours and 45 minutes (mixed usage)^(85a) Up to 25 hours and 30 minutes (video playback)⁽⁷⁵⁾

- Up to 19 hours (wireless streaming)⁽⁸⁰⁾

 Wireless: Wi-Fi 6E (2x2)^(19c) 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: 5.64 lb⁽⁷⁶⁾
- Keyboard: Full-size, backlit, soft grey keyboard with numeric keypad

- Get a fresh perspective with Windows 11: From a rejuvenated Start menu, to new ways to connect to your favorite 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 Al 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 AIPC.

 Intel® Arc™ graphics: With Intel® Arc™ graphics built-in, AI powers advanced creation and gameplay. Enjoy the high
- performance needed for accelerated creation and immersive high-resolution gaming, even while on-the-go.

 FHD IPS touchscreen: Always see your content at its best with 178-degree wide-viewing angles, Full High Definition and a vibrant picture. And with touchscreen technology, you can control your PC right from the screen. [39]
- 100% sRGB: Showcase your creations in all their colors on the 100% sRGB display for maximum color broadness and
- HP Fast Charge: Go from 0 to 50% charge in approximately 45 minutes. (78)

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. (19:2/(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. [89:40]
- PCIe® Gen4 NVMe™ M.2 SSD: With high-speed data transfer, the PCIe® Gen4 NVMe™ M.2 SSD offers fast speed and efficient storage. **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)

- 86% screen to body ratio: Revolutionize your display and see more of what you love with this slim bezel design. Enjoy on 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 $^{(63l)}$
- 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:

- 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)

















Specifications						
Operating system	Windows 11 Home ⁽¹⁾					
Processor	Intel® Core™ Ultra 7 256V ^{2kl} 8-Core					
	8-Lore Intel® Al Boost (47 NPU TOPS) ⁽⁶⁾					
Processor speed	Up to 4.8 GHz with Intel® Turbo Boost Technology ^(2q)					
Processor cache	• 12 MB L3 cache					
Memory	16 GBLPDDRSx-8533 MT/s (onboard)					
Video graphics	 Intel® Arc™ 140V GPU (8GB)^(14b) 					
Internal storage	1 TB PCle® Gen4 NVMe™ M.2 SSD ^(tS)					
Finish and features	Top cover: glacier silver aluminum with a sandblasted anodized finish Keyboard deck: glacier silver aluminum with a sandblasted anodized finish					
Camera	SMP IR camera with temporal noise reduction and integrated dual array digital microphones (81)(810)					
Display	17.3-inch diagonal, FHD (1920 x 1080), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, 400 nits, 100% sRGB ⁽²⁰⁾⁽³⁾⁾					
Screen to body ratio	• 86% ⁽⁴⁰⁾					
Wireless	WI-Fi 6E (2x2) ⁽¹⁹⁾ and Bluetooth® 5.3 wireless card ⁽²⁵⁾⁽²⁶⁾ (supporting gigabit data rate) ⁽⁷⁾⁾					
Sound	Poly Studio with dual speakers OTS: X* Ultra					
Integrated keyboard	Full-size, backlit, soft grey keyboard with numeric keypad HP Imagepad					
External notebook ports	1 Thunderboth ⁴⁶ a with USB Type-C ⁴⁶ ofClaps signaling rate USB Power Delivery, DisplayPort ⁴⁷ 2.1, HP Steep and Charge)M000001984 1USB Type-C ⁴⁶ DORDs signaling rate USB Power Delivery, DisplayPort ⁴⁷ 1.4a, HP Steep and Charge/M000004 3 USB Type-A 10Claps signaling rate 1 Nest A 10Claps signal					
Dimensions	Unpackaged: 15.59 in (W) x 10.18 in (D) x 0.60 in (H) ^{(P)(N)} Front height is measured at 0.46 in, rear height is measured at 0.50 in, and maximum height is measured at 0.78 in. Packaged: 13.5 in (D x 3.5 in (N) x 11.93 in (H)					
Weight	Unpackaged: 5.64 lb ⁽⁷⁶⁾ Packaged: 8.0 lb					
Security	Camera privacy shutter Mic mute key					
Power	G-cell, 83 Wh Li-ion polymer battery(^{2:1}) G5 W USB Type-(^{2*} power adapter(^{4:2})					
Battery life	Up to 17 hours and 45 minutes (mixed usage) ^{BSL} Up to 25 hours and 30 minutes (wide o playback) ^{DSL} Up to 25 hours and 30 minutes (wide o playback) ^{DSL} Up to 19 hours (widewess streaming) ^{BSL}					
Warranty and support	1-year limited hardware warranty. Additional information available at www.support.hp.com ^(II) 1-year limited technical support for software and initial setup (from date of purchase) ^(S)1)					

- terpretation of E.

 rm is a word, you never miss a beat. Like the conversation in your video calls. Or the dialogue in your movies. If there are spoken
 them into English subtiles in real time on your screen, ^{(1) like}
 to dut of your APC with the new HP AF Companion app. Elevate your everyday tasks with a collection of AI tools and solutions that can
 keep you running at your best, ⁽²⁾

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.¹⁵⁴ 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 (21) Presence Sensing: Experience optimal security and efficiency with Presence Sensing. Automatically lock and wake your PC, saving power and getting by quickly. Easy access with a single citic from myte (PC). 				
Partner offers	 Adobe Offer: Get a complimentary I month truit of the best creativity and productivity agos from Adobe with the purchase of a computer from IPI. Create any your cam impaire—prints, videos, agoingle, webbage, IPIS, and more Get started with the agon that best fix your need. IIIII. Insephos cloud storages: force and synchronize your content online with Dropbox. Get 100GB of storage for one year to access, manage, and share your photo music, and files for may where with therenet access. IIII. Invalid as 3-day trial: Scruze your privacy and data when browsing on public W-H with YPII. Included in your fire McNe 3-day trial. IIII. Invalid as 5-day trial: Scruze your privacy and data when browsing on public W-H with YPII. Included in your fire McNe 3-day trial. IIII. Invalid as 5-day trial. Scruze your privacy and data when browsing on public web with a 1'em control of PC Game Pass. IIII. Invalid as 5-day trial. Scruze your privacy and the same of the scruze of the s				
System performance	 HP Connection Optimizer: Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points; "Ill				
Work and lifestyle	 Copilate PC. Copilate PC. Will bring enclase on detected in experiences designed to accelerate productivity and creation; ⁽¹⁾ ⁽¹⁾ Microsoff Copilate PC. Will bring enclase on detected in control of the Copilate PC. Will be selected in the Copilate PC. Will be selected in the Copilate PC. Will be selected in Using the Advanced Personal Mode, it tracks only your voice during conference calls while accommodate [Intering out noise and other speakers for districtively focused communications. IFE Enhanced Lightings: Easily enhance brightness, color and lighting effects to look your best during video calls with intering and professional grade features across all collaboration and streaming apps, without scentificing per formance or battery. ⁽²⁾ For Enhanced Lightings: Easily early voice loss with Afformary across connected with enhanced while finally Manage reminders for balanced productivity and encourage properties. For Enhanced Lightings: Easily early voice loss with Afformary across connected voice health of the Copilate PC. Will enhanced the Copilate Police Pc. Afformation of the Copilate Police Pc. Afformation of the Copilate Police Pc. Afformation police and the Copilate Police Pc. Afformation police and the Copilate Police Pc. Afformation police and the Copilate Pc. Afformation police Pc. Afformation and copilate Pc. Afformation police Pc. Afformation and copilate Pc. Afformation police Pc. Afformation Pc.				
Gaming and entertainment	 OTS: "Uttra technology: by roducing authents, capstally accurate 30 sound, this technology dives games, movies, and music a level of depth and immersion for the best entertainment experience possible. ONENI Semilog Multi-Trux one place for everything to make your gaming experience better. From software enhancements to hardware control, and live services, ONENI Seming Multi-Trux one place for everything to make your gaming experience better. From software enhancements to hardware control, and live services. 				
Additional infor	mation				
Product number	BSUHSUA#ABA				
Ad embargo date	• 05/11/2025				
UPC Code	• 198990145396				
Country of origin	• China				

Learn more at hp.com

www.windows.com. (2b) 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 Xe, 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. ^{6cd} 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, [74] 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. [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. 📾 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. (a) 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 166B memory. Intel® Core™ Ultra processors with single channel memory and at least 166B memory. Intel® Core™ Ultra processors with single channel memory with Intel® Core™ Capabics with Intel® Core™ Ultra processors with single channel memory with Intel® Core™ Ultra processors with single aka.ms/nextgenaipcs (19a) 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. [59] Full High Definition (FHD) content is required to view FHD images. [60] 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 Video Electronics Standards Association (VESA®) in the United States and other countries. (51) 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 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) 200% outer box/ corrugate cushion packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Excludes plastic bags and plastic foam sheeting, (63) Keyboard components contain post-consumer recycled plastic. Percentage of post consumer recycled contained in each component varies by product. (64) For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device. (60) Testing is not intended to demonstrate fitness of U.S. Department of Defense (DoD) contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. (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. (76) Weight and system dimensions may fluctuate due to configuration and manufacturing variances. (76a) 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. (17) 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. (19) 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. (188a) 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 curren 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. (896) Camera resolution refers to the image sensor active pixels. The actual image capture pixels and aspect ratio depend on the app selected. (894) 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. 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. 03/6/2025_r4 kg

(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://

