

HP OmniBook X 14 inch Laptop Next Gen AI PC 14-fe1003dx



Copilot+ PC



Experience the future of computing with the new AI era of PCs

The HP OmniBook X AI PC is designed to focus on the big things and let the small things take care of themselves. Unlock more meaningful moments with an HP AI-powered PC that adapts to you.

Product overview

- **Power your personal productivity with AI:** Your PC will become more personal every time you use it as the AI engine with a dedicated NPU learns from you and adapts to your needs, habits and preferences. Multiply your capabilities with intuitive user experiences and advanced tools. Collaborate and interact with your personal files to get actionable insights, compare your documents, summarize, or draft reports and articles using Analyze. Get the most out of your AI PC with the new HP AI Companion app.⁽⁷³⁾
- **Your perfect mix of performance and mobility:** Take your personalized productivity to the next level. Powered by the fast and intelligent Snapdragon® X Plus processor to achieve more everyday with responsive performance for seamless multitasking. Enjoy all day power with long battery life and HP Fast Charge so you don't have to worry about stopping your flow. Get updates and ongoing optimization with the new Perform tool that will assess your PC performance, improve it and better your everyday experience over time.
- **Collaboration tools that enhance your communication:** Showcase your ideas to the world through a SMP (16:10) camera^(89d) with manual shutter for privacy when you need it and Poly Camera Pro AI-based features with video effects. Wi-Fi 6E with Bluetooth® 5.3 wireless card ensures increased speed and reduced latency for seamless communication. No need for extra lights, expensive lenses, or sound-proof rooms with Windows Studio Effects that automatically improves lighting, cancels noises and more during video calls. When you never miss a word, you never miss a beat. Get accurate subtitles in real time with Live Captions.^(118a)
- **Built for a better tomorrow:** The HP OmniBook X AI PC is designed using up to 50% recycled metals and post-consumer ocean-bound plastics. The EPEAT® Gold with Climate+^(27a) and ENERGY STAR® certified design means that we've been recognized for our efforts to reduce environmental impact and promote superb energy efficiency.

Key specifications

- **Operating system:** Windows 11 Home⁽¹⁾
- **Processor:** Snapdragon® X Plus X1P-42-100
- **NPU:** Qualcomm® Hexagon™ NPU (45 NPU TOPS)^(6c)
- **Display:** 14-inch diagonal, 2.2K (2240 x 1400), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, Corning® Gorilla® Glass NBT™, Low Blue Light
- **Memory:** 16 GB LPDDR5x-8448 MT/s (onboard)
- **Internal storage:** 512 GB PCIe® Gen4 NVMe™ M.2 SSD^{(15)(58b)}
- **Graphics:** Qualcomm® Adreno™ GPU
- **Sound:** Poly Studio with dual speakers
- **Battery life:**
 - Up to 24 hours (video playback)⁽⁷⁵⁾
 - Up to 16 hours and 45 minutes (wireless streaming)⁽⁸⁰⁾
- **Wireless:** Qualcomm® FastConnect™ 6900 Wi-Fi 6E (2x2)⁽¹⁾⁽²⁾ Dual Band Simultaneous (DBS) and Bluetooth® 5.3 wireless card⁽²⁾⁽²⁶⁾
- **Security:** Camera privacy shutter, Mic mute key
- **Camera:** HP True Vision SMP IR camera with temporal noise reduction and integrated dual array digital microphones^{(89)(99a)}
- **Product weight:** 2.97 lb⁽⁷⁰⁾
- **Keyboard:** Full-size, backlit, soft grey keyboard

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, including a more personal Copilot with the context of your PC, instantly find content with Recall, and generative AI to create images when Copilot+ PC experiences are available.⁽⁴¹⁾
- **Snapdragon® X Plus processor:** Achieve more everyday with responsive performance for seamless multitasking. AI tools enhance productivity and connectivity while enjoying long battery life.
- **Qualcomm® Adreno™ GPU:** Experience high performance graphics and rich user experiences while optimizing power consumption. Elevate your mobile UI, games and advanced graphics applications with fast responsiveness and superior mobile connectivity.
- **2.2K IPS touchscreen:** 2240 x 1400 resolution delivers stunning details and lifelike colors. And with touch, you can control your PC right from the screen.
- **100% sRGB:** Showcase your creations in all their colors on the 100% sRGB display for maximum color broadness and accuracy.
- **16:10 aspect ratio:** Lets you see more of your content with less scrolling.
- **Corning® Gorilla® Glass NBT™:** Scratch-resistant Corning® Gorilla® Glass NBT™ stands up to all the daily abuse a touch screen takes. Helps reduce accidental damage with strong, more durable protection than most displays.

Additional product features

- **Eyesafe® Certified display:** Protects your eyes from harmful blue light without distorting colors to reduce eyestrain when working for long periods of time.
- **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.
- **HP Fast Charge:** Go from 0 to 50% charge in approximately 30 minutes.⁽⁷²⁾
- **Qualcomm® FastConnect™ 6900 Wi-Fi 6E Dual Band Simultaneous and Bluetooth® 5.3:** Unlock unprecedented wireless performance with Qualcomm Wi-Fi 6E technology and Bluetooth® 5.3 wireless card. Harness the power of 6 GHz spectrum for faster speeds and enhanced connectivity.⁽¹⁾⁽⁹⁾⁽²⁵⁾⁽²⁶⁾
- **HP SMP IR Camera with HDR Switch:** Take visually stunning works of art with HP SMP 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.^{(9)(8d)}
- **PCIe® NVMe™ SSD storage:** Get up to 15x faster performance than a traditional hard drive.^(58b)
- **Poly Studio Audio with dual speakers:** HP + Poly together will continuously accelerate innovation across our hybrid solutions, including AI-generated technology. With pitch perfect audio, you'll get the best experience to collaborate anywhere with audio tuned by Poly Studio.
- **HP Audio Boost:** Smart amplification technology gives you loud, clear, 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⁾⁽³⁾

Product design

- **87.8% 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.
- **Presence sensing:** Experience optimal security and efficiency with presence sensing. Automatically lock and wake your PC, saving power and getting back to work quickly.⁽⁷⁷⁾

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 OmniBook X 14 inch Laptop AI PC is built with the future in mind, using environmentally conscious and recycled materials.

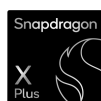
- Up to 50% post-consumer recycled plastic in keyboard caps, scissors
- Up to 50% recycled metal in cover, base, keyboard deck, and support plate
- Packaged with 100% sustainably sourced FSC certified, plastic-free packaging
- ENERGY STAR® certified
- EPEAT® Gold with Climate+^(27a)

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.
- **Support Options:**
 - **HP Support Assistant - HPSA:** Optimized to enhance your support experience. Help for your PC and HP printers whenever you need it.⁽⁵⁶⁾
 - **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	• Snapdragon® X Plus X1P-42-100 • 8 cores • Qualcomm® Hexagon™ NPU (45 NPU TOPS)^(6d)
Processor speed	• Up to 3.4 GHz ^(2h)
Memory	• 16 GB LPDDR5x-8448 MT/s (onboard)
Accessible memory slots	• Memory slot not user accessible
Video graphics	• Qualcomm® Adreno™ GPU
Internal storage	• 512 GB PCIe® Gen4 NVMe™ M.2 SSD ^{(15)(58b)}
Finish and features	• Top cover: glacier silver aluminum with a sandblasted anodized finish • Keyboard deck: glacier silver aluminum with a sandblasted anodized finish
Camera	• HP True Vision 5MP IR camera with temporal noise reduction and integrated dual array digital microphones ^{(89)(89b)}
Display	• 14-inch diagonal, 2.2K (2240 x 1400), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, Corning® Gorilla® Glass NBT™, Low Blue Light, 300 nits, low power, 100% sRGB ⁽²⁰⁾
Screen to body ratio	• 87.8% ⁽⁴⁰⁾
Wireless connectivity	• Qualcomm® FastConnect™ 6900 Wi-Fi 6E (2x2) ^{(1)(9c)} Dual Band Simultaneous (DBS) and Bluetooth® 5.3 wireless card ⁽²⁵⁾⁽²⁶⁾
Sound	• Poly Studio with dual speakers
Integrated keyboard	• Full-size, backlit, soft grey keyboard • HP Imagepad
External notebook ports	• 1 USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4a, HP Sleep and Charge) ⁽⁴²⁾⁽⁵⁰⁾⁽⁶⁴⁾ • 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4a, HP Sleep and Charge)⁽⁴²⁾⁽⁵⁰⁾⁽⁶⁴⁾ • 1 USB Type-A 10Gbps signaling rate (HP Sleep and Charge)⁽⁶⁴⁾ • 1 Headphone/microphone combo
Dimensions	• Unpackaged: 12.32 in (W) x 8.8 in (D) x 0.56 in (front) - 0.57 in (hinge) (H) • Packaged: 14.96 in (L) x 3.15 in (W) x 11.02 in (H)
Weight	• Unpackaged: 2.97 lb ⁽⁷⁶⁾ • Packaged: 5.40 lb
Security	• Camera privacy shutter • Mic mute key
Power	• 3-cell, 59 Wh Li-ion polymer battery ⁽²¹⁾ • 65 W USB Type-C® power adapter⁽⁴²⁾
Battery life	• Up to 24 hours (video playback) ⁽⁷⁵⁾ • Up to 16 hours and 45 minutes (wireless streaming)⁽⁸⁰⁾
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 setup (from date of purchase)⁽⁵³⁾

Learn more at hp.com

⁽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>. ^(2h) GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance. ^(6d) 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. ⁽⁹⁾ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. ⁽¹⁵⁾ Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. ⁽¹⁷⁾ 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 www.windows.com ^(18a) Currently supports translation for video and audio subtitles into English from 40+ languages. See <https://aka.ms/nextgenai> ^(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. ⁽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⁾ Requires Windows 11. Some features require an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Copilot is not available, the Copilot key will lead to the Bing search engine. See <http://aka.ms/WindowsAIFeatures>. ⁽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. ⁽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. ^(58b) Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD. ⁽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. ⁽⁶⁴⁾ For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device. ⁽⁷²⁾ Recharges your battery up to 50% within 30 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. ⁽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. ⁽⁷⁷⁾ See URL for more details. <https://learn.microsoft.com/en-us/windows-hardware/design/device-experiences/sensors-presence-sensing> ⁽⁷⁸⁾ 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. ^(89a) Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. ^(89b) Camera resolution refers to the image sensor active pixels. The actual image capture pixels and aspect ratio depend on the app selected. ^(89d) 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. 10/16/2024_r6 ja

Software and technology

AI apps	• 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. ^{(1)(8a)} • 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. • Super Resolution: Why choose between high frame rates or high resolutions? There's no need to compromise on graphics with Super Resolution. It uses AI to upscale your games in real time to deliver the visuals you crave. All without the performance hit.
Help and support	• 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.
Partner offers	• 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⁾⁽⁹⁾ • 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⁾
Work and lifestyle	• AI Noise Removal: Artificial intelligence technology automatically removes background noise for clearer than ever video chats, audio calls, and recordings. • Otter.ai: With Otter.ai, an AI assistant can record audio, write notes, automatically capture slides, record, transcribe, and generate meeting summaries so that you can save time and stay organized. • Microsoft Phone Link: Experience seamless device synchronization with Microsoft. Sync your smartphone to your Windows computer for enhanced productivity and convenience.⁽¹⁷⁾ • 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⁾ • Poly Camera Pro: Elevate your video calls with AI from any camera connected to enhance virtual interactions, customizable settings and professional grade features across all collaboration and streaming apps, without sacrificing performance or battery.⁽⁹⁾ • Windows Studio Effects: No need for extra lights, expensive lenses, or sound-proof rooms. Windows Studio Effects automatically improves lighting and cancels noises during video calls—perfect for when presentation matters. • Copilot+ PC: Copilot+ PC will bring exclusive on-device AI experiences designed to accelerate productivity and creativity.⁽⁴¹⁾

Additional information

Product number	• A9FF7UA#ABA
Ad embargo date	• 10/27/2024
UPC Code	• 198415955470
Country of origin	• China
Pallet information	• Dimensions: 47.24 in (L) x 39.37 in (W) x 39.56 in (H) • Total weight: 585 lb • Layers: 3 • Products per layer: 34

