

OmniBook 5 16 inch Laptop Next Gen AI PC 16-fb0435nr



Copilot+ PC



Advanced AI performance

The Snapdragon® X processor delivers AI-driven performance and an incredible battery life of up to 34 hours,^(85b) so you can go all day and leave the charger behind. HP AI Companion acts as your on-device personal assistant, streamlining your workflow—no subscription required.

Product overview

- **Leave your charger at home:** Engineered for efficiency, even with heavy multitasking and intensive workloads, the HP OmniBook 5 AI PC has an incredible battery life of up to 34 hours^(85b) so you can leave your charger at home. When the battery runs low, HP Fast Charge quickly restores its battery power.
- **Powerful inside. Sleek on the outside.** Powered by a Snapdragon® X processor and a dedicated AI engine that boosts speed and efficiency, combining advanced performance with an ultra-thin profile. It's designed to keep up with your on-the-go lifestyle.
- **Vibrant expansive images with 2K OLED display:** Enjoy an expansive audio-visual experience. The 16 inch 2K OLED touchscreen brings rich colors and deep contrast to every frame. Dual speakers with HP Audio Boost deliver immersive, high-quality sound, and the 1080p FHD IR camera ensures you always look your best on video calls.
- **Built for a better tomorrow:** Designed using recycled metals and ocean-bound plastics. EPEAT® Gold with Climate+ and ENERGY STAR® certified.^{(27a)(62)}

Key specifications

- **Operating system:** Windows 11 Home⁽¹⁾
- **Processor:** Snapdragon® X X1 -26-100
- **NPU:** Qualcomm® Hexagon™ NPU (45 NPU TOPS)^(6d)
- **Display:** 16-inch diagonal, 2K (1920 x 1200), OLED, multitouch-enabled, 0.2 ms response time, UWVA, edge-to-edge glass, micro-edge, Low Blue Light
- **Memory:** 16 GB LPDDR5x-8448 MT/s (onboard)
- **Internal storage:** 512 GB PCIe® Gen4 NVMe™ M.2 SSD⁽¹⁵⁾
- **Graphics:** Qualcomm® Adreno™ GPU
- **Battery life:** Up to 34 hours (video playback)^(85b)
- **Wireless:** Qualcomm® FastConnect™ 6900 Wi-Fi 6E (2x2)^(19c) Dual Band Simultaneous (DBS) and Bluetooth® 5.3 wireless card⁽²⁵⁾⁽²⁶⁾
- **Security:** Camera privacy shutter, Mic mute key
- **Camera:** HP True Vision 1080p FHD IR camera with temporal noise reduction and integrated dual array digital microphones⁽⁸⁹⁾⁽⁹⁰⁾
- **Product weight:** 3.52 lb⁽⁷⁶⁾

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 Experiences:** Brilliant new AI features designed to take your day from ordinary to extraordinary.^(41a)
- **Microsoft Copilot:** Kickstart your creativity and productivity with Microsoft Copilot. Complements your capabilities and creativity with intelligent assistance and relevant answers. And now with the Copilot key, you can access this AI-powered intelligent assistant with a single press of a button.⁽⁴¹⁾
- **Snapdragon® X processor:** Perfect for on-the-go productivity, this processor delivers essential performance, AI capabilities, and long-lasting battery life. Stay efficient and connected all day, every day.
- **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.
- **2K OLED touchscreen:** Experience rich colors and crisp visuals for your everyday productivity with an OLED touch display, 1920x1200 resolution, and up to 300 nits of brightness.⁽²⁰⁾
- **16:10 aspect ratio:** Lets you see more of your content with less scrolling.
- **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⁾

Additional product features

- **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.^{(19c)(25)(26)}
- **HP True Vision FHD IR camera:** Video chat with peace of mind with a privacy camera you can close when not in use. The infrared sensor gives you the added security of Windows Hello, for a safer way to log in to your computer.⁽⁸⁹⁾
- **PCIe® Gen4 NVMe™ M.2 SSD:** With high-speed data transfer, the PCIe® Gen4 NVMe™ M.2 SSD offers fast speed and efficient storage.
- **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⁾

Product design

- **91.4% 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.
- **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^(63d)
 - Top cover, base and keyboard bracket contain recycled metal^(63d)
 - Keyboard keycaps and scissors contain post-consumer recycled plastic^(63b)
- HP's outer boxes and fiber cushions used in packaging are 100% sustainably sourced and recyclable^(63a)
- 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.

Support Options:

- **HP Support Assistant - HPSPA:** 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 X at x.com/HPSupport, and Facebook at facebook.com/HPSupport.⁽⁹⁾

Extend your coverage:

- **SmartFriend, part of HP Care:** Experts are available 24/7 to handle any tech issue, on any device, from any brand. Visit www.hp.com/go/smartfriend to learn more or call toll-free 1-844-814-1800 to get started.⁽⁹⁵⁾
- **Care Packs, part of HP Care:** Extend protection beyond the standard limited warranty. For more info, visit www.hp.com/go/carepack-services or call toll-free at 1-877-232-8009.⁽⁸³⁾



Specifications

Operating system	• Windows 11 Home ⁽¹⁾
Processor	• Snapdragon® X1 –26–100 • 8 cores • Qualcomm® Hexagon™ NPU (45 NPU TOPS) ^(6c)
Processor speed	• Up to 2.97 GHz ⁽²ⁿ⁾
Memory	• 16 GB LPDDR5x-8448 MT/s (onboard)
Video graphics	• Qualcomm® Adreno™ GPU
Internal storage	• 512 GB PCIe® Gen4 NVMe™ M.2 SSD ⁽¹⁵⁾
Finish and features	• Top cover: glacier silver aluminum with a sandblasted anodized finish • Keyboard deck: glacier silver
Camera	• HP True Vision 1080p FHD IR camera with temporal noise reduction and integrated dual array digital microphones ^{(89)(9)(9a)}
Display	• 16-inch diagonal, 2K (1920 x 1200), OLED, multitouch-enabled, 0.2 ms response time, UWVA, edge-to-edge glass, micro-edge, Low Blue Light, 300 nits, 95% DCI-P3, 1,000,000:1 ⁽²⁰⁾
Screen to body ratio	• 91.4 % ⁽⁴⁰⁾
Wireless	• Qualcomm® FastConnect™ 6900 Wi-Fi 6E (2x2) ⁽¹⁾⁽³⁰⁾ Dual Band Simultaneous (DBS) and Bluetooth® 5.3 wireless card ⁽²⁵⁾⁽²⁶⁾
Sound	• HD Audio with stereo speakers
Integrated keyboard	• Full-size, soft gray keyboard • HP Imagepad
External notebook ports	• 2 USB Type-C® 10Gbps signaling rate (USB Power Delivery 3.0, DisplayPort™ 1.4a, HP Sleep and Charge) ⁽⁴²⁾⁽⁵⁰⁾⁽⁶⁴⁾ • 1 USB Type-A 10Gbps signaling rate • 1 Headphone/microphone combo
Dimensions	• Unpackaged: 13.98 in (W) x 9.65 in (D) x 0.52 in (H) ^(76a) • Front height is measured at 0.41 in, rear height is measured at 0.52 in, and maximum height is measured at 0.64 in. • Packaged: 19.84 in (L) x 2.48 in (W) x 12.01 in (H)
Weight	• Unpackaged: 3.52 lb ⁽⁷⁶⁾ • Packaged: 5.55 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 34 hours (video playback) ^(85b)
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) ⁽⁵⁾⁽³⁾

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>. ⁽²ⁿ⁾ 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. ⁽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. ⁽¹⁵⁾ Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. ⁽¹⁾⁽³⁰⁾ 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 90 days 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. ⁽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) Copilot+ PC experiences vary by device and region and may require updates continuing to roll out through 2025; timing varies. See aka.ms/copilotpluspc ⁽⁴²⁾ USB Type-C® and USB-C® are trademarks of USB Implementers Forum. ⁽⁶⁰⁾ 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. ⁽⁶⁵⁾ 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⁾ Subscription continues automatically at regular monthly price unless cancelled. Subject to xbox.com/subscriptionterms. Terms and exclusions apply. Game catalog varies over time, by region, and by device. All rights reserved. xbox.com/pcgamepass, ea.com/ea-play/terms. Three month trial for devices purchased after October 2024. Microsoft account required. Offers available in select regions only. Credit card required. After promotional period, subscription automatically continues at the then-current regular price (subject to change), unless cancelled, plus applicable taxes. For cancellation details, see xbox.com/cancel. For complete details see terms and conditions xbox.com/en-US/xbox-game-pass?msocid=3f8c879b624a6bb10ac4924e63d86a01. ⁽⁶²⁾ ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. ^(63a) Percentage of ocean-bound plastic contained in each component varies by product. ^(63b) Percentage of recycled metal varies by product. ^(63a) 100% 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. ^(63b) 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. ⁽⁷²⁾ Recharges your battery up to 50% within 30 minutes when the system is off using "shut down" command, using HP adapter provided with the notebook or recommended power adapter disclosed in specifications (see <http://store.hp.com>). After charging has reached 50% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to system tolerance. ⁽⁷⁵⁾ 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. ⁽⁷⁷ⁿ⁾ HP AI Companion is available preloaded on select HP next gen AI PCs or is available for download from the Microsoft store and requires a HP next gen AI PC with a NPU supporting 40-60 TOPS, with 16GB or more of storage, 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. Ten (10) library 100MB limit each, supported files may vary and at launch include pdf, .txt, .docx files. ⁽⁸³⁾ Service levels and response times for Care Packs may vary depending on your geographic location. Restrictions and limitations apply. Service starts at date of hardware purchase. HP Care Packs are sold separately. For details, visit hp.com/go/carepack-services. ^(85b) Up to 34 hours local video playback requires unit configured with Qualcomm Snapdragon X1–26–100, 16GB RAM, 2K OLED non-touch display, 512 GB PCIe SSD storage. Available on select display configurations. Battery life tested by HP using continuous FHD video playback, 2K OLED non-touch display, 200 nits for the 16 inch model, 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. Starting in July 2025, the 14 inch model (configured with Qualcomm Snapdragon X1–26–100, 16GB RAM, 2K OLED non-touch display, 512 GB PCIe SSD storage) may be able to achieve up to 34 hours of local video playback at 200 nits as a result of power consumption improvements to its panel. ^(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, 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. ^(89a) Camera resolution refers to the image sensor active pixels. The actual image capture pixels and aspect ratio depend on the app selected. ⁽⁹³⁾ HP SmartFriend will support any major brand of computer and tablet running Microsoft Windows, OSX, iOS, Android, and Chrome OS. 24x7 support is available in English and in the US & Canada (excluding the Province of Quebec) only. Service availability varies by country/region. Internet connection required for remote support. Remote support not available for tablets. Not all service plans cover support for tablets. HP SmartFriend sold separately or as an add-on feature. 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. 08/22/2025_r2 tg

Software and technology

Next Gen AI Apps	• Click to Do (preview): Tap, click, done—faster actions, less thinking. Increase productivity and creativity with Click to Do (preview) instant actions on screen-recognized text and images. ^(41a) • Generative fill: Make your photos feel untouched yet upgraded. Add new details to photos - without a trace - using generative fill. It's like it was there all along. ^(41a) • Recall (preview): Homework? Recipe? YouTube video? Fly back in time to get right back to where you were on your PC. Drop a hint, and Recall (preview) will track it down in seconds, like magic. ^(41a) • Improved Windows Search: Skip the scavenger hunt – just type what you remember and improved Windows Search delivers. Docs, settings, or images? Use File Explorer, Windows Search, or Settings Search. ^(41a) • HP AI Companion: Your AI companion for instant answers and secure file analysis. Analyze sensitive files, query on the go, and seamlessly call on the intelligence of AI for all your everyday tasks. ⁽⁷⁹⁾
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	• Adobe Offer: Get a complimentary 1 month trial of the best creativity and productivity apps from Adobe with the purchase of a computer from HP. Create anything you can imagine – photos, videos, graphics, webpages, PDFs, and more. Get started with the app that best fits your need. ^(88a) • McAfee Premium Individual 30-day trial: Secure your device with award winning antivirus and online protection. Free trial includes secure VPN for privacy and data protection when browsing on public Wi-Fi. ⁽⁸⁹⁾⁽⁹⁾ • Dropbox cloud storage: Store and synchronize your content online with Dropbox. Get 100GB of storage for 90 days to access, manage, and share your photos, music, and files from anywhere with Internet access. ⁽⁹⁾⁽²²⁾ • 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	• Microsoft Copilot: Microsoft Copilot gives you intelligent answers. Access with just the touch of the Copilot key. ⁽⁴¹⁾ • AI Noise reduction: Enjoy clearer team conversations with AI Noise reduction. Using artificial intelligence, it filters out background noise in multi-person environments and captures multidirectional sound with spatial awareness. • 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. • Copilot+ PC Experiences: Brilliant new AI features designed to enrich your everyday life. Transform mundane tasks from ordinary to extraordinary. Save time, make plans, be more creative. Now, you never have to miss a beat. ^(41a)

Additional information

Product number	• C81M8UA#ABA
Ad embargo date	• 10/09/2025
UPC Code	• 199642261112
Country of origin	• China
Pallet information	• Dimensions: 47.24 in (L) x 39.37 in (W) x 42.53 in (H) • Total weight: 566.8 lb • Layers: 3 • Products per layer: 32

