

HP OmniBook 5 Laptop Next Gen AI 14-he0004nax

AI-driven performance and up to 34 hours¹ of battery life

The HP OmniBook 5 14" AI PC is built for advanced performance and seamless portability, with an ultra-thin profile and HP AI Companion² to act as your on-device personal assistant and streamline your workflow. Leave your charger behind with up to 34 hours¹ of battery life and charge up to 50% in just 30 minutes with HP Fast Charge³.



*Product image may differ from actual product



Up to 34 hours¹ of battery life

AI-driven performance and a battery life of up to 34 hours¹ offers power and reliability anytime, anywhere.



Advanced performance and an ultra-thin profile

More speed and efficiency powered by Snapdragon[®] X Series Processors⁴ and a dedicated AI engine.



A stunning audio-visual experience

Vibrant images with a 2K OLED⁵ display, powerful sound with HP Audio Boost, and a 1080p FHD IR camera⁶.

Sustainability in action

Built for a better tomorrow

Made from recycled metals⁷, ocean-bound plastics⁸ and is EPEAT[®] Gold with Climate+⁹ certified.



with



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Featuring

Get a fresh perspective

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.¹⁰

Snapdragon® X Plus 8-core processor

Get into your rhythm with the fast and intelligent Snapdragon® X Plus 8 core processor. Achieve more everyday with responsive performance for seamless multitasking. AI tools enhance productivity and connectivity while enjoying long battery life.⁴

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.¹¹

DCI-P3 color space

Get deeper hues and more accurate colors with a wider color gamut than sRGB. DCI-P3 95% closely represents colors on displays as they are in the real world.⁵

16:10 aspect ratio

A 16:10 aspect ratio lets you see more of your content with less scrolling.

2K OLED

Experience rich colors and crisp visuals for your everyday productivity with an OLED display, 1920x1200 resolution, and up to 300 nits of brightness.¹²

Brilliant BrightView panel

Perfect for an ideal indoor experience, get a bright, clear picture for all your videos, photos, and documents.

Xbox Game Pass Premium 2-month trial

Enjoy 2 months of Xbox Game Pass Premium. Free with your new HP device. Access a library of legendary, high-quality games, get exclusive in-game perks, partner discounts, and earn points annually with Xbox Rewards.¹³

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.¹⁴

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.¹⁵

EPEAT® Gold with Climate+

With EPEAT® Gold with Climate+, you're choosing a movement towards responsibility and climate action.¹⁶

ENERGY STAR® certified

Save energy and money with ENERGY STAR®, certified by the EPA so you will use less energy and save money where it counts most.¹⁷

Keyboard contains post-consumer recycled materials

We're bringing a more thoughtful design to our keyboards by using post-consumer recycled materials in the design.¹⁸

Recycled aluminum

Because little things make a big difference, this laptop design includes sustainable materials like recycled aluminum.¹⁹

HP Fast Charge

When your laptop is low on power, no one has time to wait hours to recharge. Power down your device and go from 0 to 50% charge in approximately 45 minutes.²⁰

Qualcomm™ FastConnect™ 6900 Wi-Fi 6E Dual Band Simultaneous

Unlock unprecedented wireless performance with Qualcomm Wi-Fi 6E Technology. Harness the power of 6 Ghz spectrum for faster speeds and enhanced connectivity.²¹

Microphone Mute

Enjoy greater peace of mind and the convenience of a dedicated microphone mute button that you can easily activate and know it's on or off with an LED indicator light.

HP True Vision FHD IR camera

Log in safely through Windows Hello with the infrared sensor. With an 88-degree, wide-angle field of view, you can video chat with your entire family or group of friends in stunning detail.²²

USB Type-C® Power + Display + 10Gbps signaling rate

Power your device or connect to an external display from just one USB-C® port with 10Gbps signaling rate. And it's reversible, so you never have to worry about plugging in upside down.²³

Dual speakers

Pump up the volume to your favorite music, movie or game with dual-stereo speakers.

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.

Camera Shutter

No more unsightly tape and tacky gum to hide your private moments. Ensure your privacy and security with a visible, physical shutter that turns off your PC's camera when not in use.

Recommended accessories and services (not included)



HP USB-C 65W Laptop Charger
671R2AA



HP 460 Multi-Device Bluetooth Keyboard
7N7B8AA



HP Everyday 14-inch Laptop Bag
A08JVAA



3-year pickup and return
UM963E



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Specifications



Performance

Operating system

Windows 11 Home

Processor

Snapdragon® X Plus X1P-42-100 (up to 3.4 GHz, 8 cores)^{6,7}

Processor family: Snapdragon® X Plus processor

Neural Processing Unit (NPU): Qualcomm® Hexagon™ NPU (45 NPU TOPS)

Chipset

Qualcomm® integrated SoC

Memory

32 GB LPDDR5x-8448 MT/s (onboard)

Transfer rates up to 8448 MT/s.

Storage

1 TB PCIe® Gen4 NVMe™ M.2 SSD

100 GB Dropbox storage for 3 months¹

Graphics

Integrated: Qualcomm® Adreno™ GPU;

Audio

Dual speakers; HP Audio Boost

Display

35.6 cm (14") diagonal, 2K (1920 x 1200), OLED, 0.2 ms response time, UWVA, micro-edge, BrightView, Low Blue Light, 300 nits, 95% DCI-P3^{17,21,28}

Screen-to-body ratio

90.46%¹⁸

Power

65 W AC power adapter (recommended, sold separately);

Battery type

3-cell, 59 Wh Li-ion polymer²³

Battery and Power

Supports battery fast charge: approximately 50% in 45 minutes⁵

Maximum battery life video playback

Up to 26 hours and 30 minutes¹⁰

Connectivity

Wireless connectivity

Qualcomm® FastConnect™ 6900 Wi-Fi 6E (2x2) Dual Band Simultaneous

(DBS) and Bluetooth® 5.3 wireless card

Modern Standby (Connected)^{11,46}

Ports

2 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™

1.4a, HP Sleep and Charge); 1 USB Type-A 10Gbps signaling rate; 1

headphone/microphone combo¹⁹

Webcam

HP True Vision 1080p FHD IR camera with temporal noise reduction and integrated dual array digital microphones

Sustainability

Ecolabels

EPEAT® Gold with Climate+²⁷

Energy star certified

ENERGY STAR® certified

Sustainable impact specifications

Ocean-bound plastic in speaker enclosure(s) and bezel; Keyboard keycaps and scissors contain post-consumer recycled plastic; Recycled metal in cover, base and keyboard bracket^{39,40,41}

Design

Product color

Glacier silver aluminum

Sandblasted anodized finish

Software

HP apps

HP AI Companion

Software

Otter.ai; Copilot in Windows with Copilot key;

1 month trial for new Microsoft 365 customers^{24,50}

Service & support

McAfee Online Protection 30-day trial; 1-month Adobe free trial offer; Xbox

Game Pass Premium 2-month trial^{2,25}

Additional information

Part Number

P/N: D77FXEA #ABU

UPC/EAN code: 821844265895

Weight

1.29 kg;

Packed: 2.24 kg

Dimensions

31.21 x 21.75 x 1.26 cm;

Packed: 6.3 x 50.4 x 30.5 cm

Manufacturer Warranty

1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

Keyboard

Full-size, backlit, soft gray keyboard

HP Imagepad; Precision Touchpad support

Security management

Mic mute key; Camera privacy shutter; Trusted Platform Module (Firmware TPM) support



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Footnotes

Messaging Footnotes

- ¹ 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" 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.
- ² 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 features 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.
- ³ 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. Available on select HP products.
- ⁴ 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. Qualcomm's numbering is not a measurement of clock speed. 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 interfering performance varies by use, configuration, software and other factors.
- ⁵ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- ⁶ Camera resolution refers to the image sensor active pixels. The actual image capture pixels and aspect ratio depend on the app selected.
- ⁷ Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.
- ⁸ Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT standard for computers, IEEE 16801-2018 standard.
- ⁹ See www.epeat.net for registration status and tier levels by country.
- ¹⁰ 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>.
- ¹¹ 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. Qualcomm's numbering is not a measurement of clock speed. 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 10S is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com>. Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- ¹² All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. Display measured diagonally
- ¹³ Subscription continues automatically at regular monthly price unless cancelled. Subject to <https://www.xbox.com/legal/subscription-terms>. Benefits vary by Xbox Game Pass plan. Game library varies over time, by region, device, and Xbox Game Pass plan. xbox.com/gamepass. In-game benefits vary by game, region, and over time. Game must be installed to access in-game benefits. For a list of cloud and non-cloud markets and supported regions, visit: xbox.com/regions. Terms apply, see xbox.com/gamepass for more. Excludes HP Chromebooks.
- ¹⁴ Copilot+ PC experiences vary by device and region and may require updates continuing to roll out through 2025; timing varies. See aka.ms/copilotpluspc
- ¹⁵ 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 and requires Windows 11. Perform features 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.
- ¹⁶ EPEAT® Gold with Climate+ registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.
- ¹⁷ ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.
- ¹⁸ Keyboard components contain post-consumer recycled materials. Percentage of post consumer recycled contained in each component varies by product.
- ¹⁹ Includes recycled metal.
- ²⁰ Recharges your battery up to 50% within 45 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. Available on select HP products.
- ²¹ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other Wi-Fi 6 devices. Only available in countries where 802.11ax is supported.
- ²² Features may require software or other 3rd party applications to provide the described functionality.
- ²³ Actual throughput may vary. USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum. Display measured diagonally

Technical Specifications Footnotes

- ¹ 100 GB of free Dropbox storage for 3 months from date of registration. For complete details and terms of use, including cancellation policies, visit the Dropbox website at <https://www.dropbox.com/help/space/hp-promotion>. Internet service required and not included.
- ² Internet access required and not included. McAfee is pre-installed 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 is not compatible with Windows 11 in S mode. You'll need to permanently switch out of S mode. There's no charge to switch out of S mode, but you won't be able to turn it back on.
- ³ Recharges your battery up to 50% within 45 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. Available on select HP products.
- ⁴ 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. Qualcomm's numbering is not a measurement of clock speed.
- ⁵ 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 interfering performance varies by use, configuration, software and other factors.
- ⁶ Battery life tested by HP using continuous FHD video playback, 1080p (1920x1080) resolution, 150 nits brightness, system audio level at 17% 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.
- ⁷ Wi-Fi 6E 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 All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- ⁹ Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.
- ¹⁰ For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.
- ¹¹ TÜV Low Blue Light is the Display Compliance Test Specification quality. See <https://www.certipedia.com/?locale=en#search> for more details.
- ¹² 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.
- ¹³ Must activate within 180 days of Windows activation.
- ¹⁴ 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.
- ¹⁵ Based on U.S. EPEAT® registration according to IEEE 16801-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
- ¹⁶ Eyesafe® Display for Low Blue Light is the Display Compliance Test Specification quality. See <https://eyesafe.com> for more details.
- ¹⁷ Weight and system dimensions may fluctuate due to configuration and manufacturing variances.
- ¹⁸ Percentage of ocean-bound plastic contained in each component varies by product.
- ¹⁹ Laptops manufactured with recycled metal material in product cover. Percentage of recycled metal varies by product.
- ²⁰ Keyboard components contain post-consumer recycled plastic. Percentage of post consumer recycled contained in each component varies by product.
- ²¹ 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.
- ²² Copilot in Excel requires AutoSave to be enabled, meaning the file must be saved to OneDrive; it doesn't function with unsaved files. Copilot features in Outlook apply to accounts with @outlook.com, @hotmail.com, @live.com, or @msn.com email addresses and are available in Outlook.com, Outlook built into Windows, Outlook on Mac, and iOS and Android apps. AI features only available to Microsoft 365 Family subscription owner and cannot be shared; usage limits apply. Learn more [Understanding AI credits - Microsoft Support](#). Microsoft Copilot features in Microsoft 365 are not available in China or Macao SAR.

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