

HP OmniBook 5 Laptop Next Gen AI 16-bf0001na

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

The HP OmniBook 5 16" 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 with an ultra-thin profile
More speed and efficiency powered by Snapdragon[®] X Series Processors⁴ and a dedicated AI engine.



An expansive audio-visual experience
Enjoy rich colors on 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.

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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.¹²

16:10 aspect ratio

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

OLED display

With display technology that lights each pixel separately, you'll get deeper blacks for richer contrast, enhanced color depth, and more power efficiency than traditional LED screens.

Brilliant BrightView panel

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

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.¹³

EPEAT® Gold with Climate+

With EPEAT® Gold with Climate+, you're choosing a movement towards responsibility and climate action.¹⁴

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.¹⁵

Keyboard contains post-consumer recycled plastic

We're bringing a more thoughtful design to our keyboards by using post-consumer recycled plastic in the design.¹⁶

Recycled aluminum

Because little things make a big difference, this laptop design includes sustainable materials like recycled aluminum.¹⁷

Try PC Game Pass for free with your new HP device

Play hundreds of high-quality PC games with your new HP device and 3 free months of PC Game Pass – including EA play. With new games added all the time, there's always something new to play.¹⁸

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 30 minutes.¹⁹

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.²⁰

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.

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.

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.²¹

USB Type-A 10Gbps signaling data rate

Plug in your external storage with this USB Type-A port, featuring 10Gbps signaling data rate.²²

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.

Recommended accessories and services (not included)



HP 100 Sanitizable Mouse Pad
8X594AA



HP 720 Multi-Device Rechargeable Wireless Keyboard
9T5B1AA



HP 700 Rechargeable Wireless Mouse
A27B0AA



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)
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® NVMe™ M.2 SSD
25 GB Dropbox storage for 12 months¹

Graphics
Integrated: Qualcomm® Adreno™ GPU;

Audio
Dual speakers; HP Audio Boost

Display
40.6 cm (16") 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
91.42%¹⁸

Power
65 W USB Type-C® power adapter;

Battery type
3-cell, 59 Wh Li-ion polymer²³

Battery and Power
Supports battery fast charge: approximately 50% in 30 minutes⁵

Maximum battery life video playback
Up to 34 hours and 45 minutes¹⁰

Connectivity

Wireless connectivity
Qualcomm® FastConnect™ 6900 Wi-Fi 6E (2x2) Dual Band Simultaneous (DBS) and Bluetooth® 5.3 wireless card
Modern Standby (Connected)^{12,46}

Ports
1 USB Type-A 10Gbps signaling rate; 1 headphone/microphone combo; 2 USB Type-C® 10Gbps signaling rate (USB Power Delivery 3.0, DisplayPort™ 1.4a, HP Sleep and Charge)¹⁹

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 cover and base, paint finish keyboard frame

Software

HP apps
HP AI Companion

Software
Otter.ai;
1 month trial for new Microsoft 365 customers²⁴

Service & support
McAfee Online Protection 30-day trial; 1-month Adobe free trial offer; PC Game Pass 3-month trial^{2,25}

Additional information

Part Number
P/N: C5ML1EA #ABU
UPC/EAN code: 199485947846

Weight
1.59 kg;
Packed: 2.49 kg

Dimensions
35.5 x 24.4 x 1.32 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

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 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.

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 inferencing 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. Display measured diagonally.

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 1680.1:2018 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.

¹³ 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 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.

¹⁴ EPEAT® Gold with Climate+ registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.

¹⁵ ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.

¹⁶ Keyboard components contain post-consumer recycled plastic. Percentage of post consumer recycled contained in each component varies by product.

¹⁷ Includes recycled metal.

¹⁸ PC Game Pass: Subscription continues automatically at regular monthly price unless cancelled. Subject to [xbox.com/subscription/terms](https://www.xbox.com/subscription/terms). Terms and exclusions apply. Game catalog varies over time, by region, and by device. All rights reserved. [Xbox.com/pcgamepass](https://www.xbox.com/pcgamepass), [ea.com/ea-play/terms](https://www.xbox.com/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](https://www.xbox.com/cancel). For complete details see terms and conditions <https://www.xbox.com/en-US/xbox-game-pass?mssockid=3f8c879b624a6bb10ac4924e63d86a01>

¹⁹ 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.

²⁰ 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.

²¹ Features may require software or other 3rd party applications to provide the described functionality.

²² Actual throughput may vary.

Technical Specifications Footnotes

¹ 25 GB of free Dropbox storage for 12 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 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.

¹⁰ 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.

¹² 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.

¹⁷ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

¹⁸ Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.

¹⁹ For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.

²¹ TÜV Low Blue Light is the Display Compliance Test Specification quality. See <https://www.certipedia.com/?locale=en#search> for more details.

²³ 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.

²⁴ Must activate within 180 days of Windows activation.

²⁵ 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.

²⁷ Based on U.S. EPEAT® registration according to IEEE 1680.1:2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.

²⁸ Eyesafe® Display for Low Blue Light is the Display Compliance Test Specification quality. See <https://eyesafe.com> for more details.

³⁷ Weight and system dimensions may fluctuate due to configuration and manufacturing variances.

³⁹ Percentage of ocean-bound plastic contained in each component varies by product.

⁴⁰ Laptops manufactured with recycled metal material in product cover. Percentage of recycled metal varies by product.

⁴¹ Keyboard components contain post-consumer recycled plastic. Percentage of post consumer recycled contained in each component varies by product.

⁴⁶ 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.

⁵⁰ 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 [Learn more Understanding AI credits - Microsoft Support](#) . Microsoft Copilot features in Microsoft 365 are not available in China or Macao SAR.

