

HP OmniBook 5 Laptop Next Gen AI 14-hm0020ca

All you need. Anywhere

Built for life on the move, the HP OmniBook 5 14" Next Gen AI PC delivers powerful, responsive performance. Enjoy lifelike OLED visuals and advanced multitasking features. With a slim aluminum design and all-day battery, it's perfect for work, study, streaming, and staying connected wherever life takes you.



*Product image may differ from actual product



Experience true-to-life colors

Experience incredible OLED visuals that deliver deep blacks, vibrant colors, and stunning contrast.



Do more, charge less

Experience adaptive AI performance with AMD Ryzen™ AI processor¹ and all-day battery life.



Engineered for every journey

Sleek and portable with essential ports and proven HP quality for life on-the-go.

Sustainability in action

Built for a better tomorrow

Contains up to 50% recycled aluminum in the body² and 85% recycled plastic in the keyboard³.



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.⁴

AMD Ryzen™ AI 400 Series processors

Unlock powerful AI-driven experiences with Copilot+ PCs powered by AMD Ryzen™ AI 400 Series processors, designed to enhance creativity, simplify and streamline your day, and give you valuable time back to do more.⁵

Integrated AMD Radeon™ 800M graphics

AMD Radeon™ 800M graphics are built in for thrilling gaming performance, high resolution display support and hardware accelerated encoding with or without a discrete graphics card.

DCI-P3 color space

Get deeper hues and more accurate colors with a wider color gamut than sRGB. DCI-P3 100% closely represents colors on displays as they are in the real world.⁶

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.⁷

Brilliant BrightView panel

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

EPEAT® Gold with Climate+

With EPEAT® Gold with Climate+, you're choosing a movement towards responsibility and climate action.⁸

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.⁹

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.¹⁰

Recycled aluminum

Because little things make a big difference, this laptop design includes sustainable materials like recycled aluminum.¹¹

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.¹²

Realtek Wi-Fi 7 and Bluetooth® 6.0 wireless card

Take a leap in wireless performance with new levels of increased speed and reduced latency with Wi-Fi 7. Paired with Bluetooth® 6.0.¹³

HP True Vision FHD

Video chat in vibrant clarity with Full HD resolution, even in low light, and make every conversation a face-to-face experience for a better way to stay in touch.¹⁴

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.¹⁵

HP 65W USB Type-C® GaN Mini Wall Charger

Travel lighter with our ultra-compact GaN wall mount power adapter. It's 50% smaller and lighter than traditional laptop chargers and includes a removable 2-meter USB Type-C cable. Perfect for work, travel, and everything in between.¹⁶

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.

Dual channel memory

With dual channel technology, two channels work simultaneously to double the communication speed between the memory controller and the RAM increasing system performance.



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Specifications



Performance

Operating system

Windows 11 Home

Processor

AMD Ryzen™ AI 9 465 (up to 5.0 GHz max boost clock, 24 MB L3 cache, 10 cores, 20 threads)^{6,7}

Processor family: AMD Ryzen™ AI 9 processor

Neural Processing Unit (NPU): AMD Ryzen™ AI (50 NPU TOPS)

Chipset

AMD integrated SoC

Memory

32 GB LPDDR5x-7500 MT/s (onboard)

Transfer rates up to 7500 MT/s.

Storage

1 TB PCIe® Gen4 NVMe™ M.2 SSD

100 GB Dropbox storage for 3 months¹

Graphics

Integrated: AMD Radeon™ 880M Graphics;

Audio

DTS:X® Ultra; 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, 100% DCI-P3

Screen-to-body ratio

90%¹⁸

Power

65 W USB Type-C® GaN power adapter;

Battery type

3-cell, 59 Wh Li-ion polymer²³

Battery and Power

Supports battery fast charge: approximately 50% in 45 minutes⁵

Connectivity

Wireless connectivity

Realtek Wi-Fi 7 (2x2) and Bluetooth® 6.0 wireless card

Ports

1 USB Type-A 10Gbps signaling rate; 1 USB Type-A 5Gbps signaling rate; 1 HDMI-out 2.1; 1 headphone/microphone combo; 2 USB Type-C® 10Gbps signaling rate (USB Power Delivery 3.1, DisplayPort™ 2.1, HP Sleep and Charge)¹⁹

Webcam

1080p FHD camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones³⁰

Sustainability

Ecolabels

EPEAT® Gold with Climate+

Energy star certified

ENERGY STAR® certified

Sustainable impact specifications

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

Design

Product color

Sahara silver aluminum

Sandblasted cover and keyboard frame, matte finish base

Software

HP apps

HP Support Assistant; HP Connection Optimizer; OMEN Gaming Hub

Software

1 month trial for new Microsoft 365 customers²⁴

Service & support

1-month Adobe free trial offer; McAfee Online Protection 30-day trial; Xbox Game Pass Premium 2-month trial [2, 25, 43]

Additional information

Part Number

P/N: D4DC7UA

UPC/EAN code: 199896740326

Weight

1.33 kg;

Packed: 2.3 kg

Dimensions

31.2 x 21.75 x 1.36 cm;

Packed: 6.3 x 47.3 x 27.1 cm

Keyboard

Full-size, backlit, darker sahara silver opaque 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 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. AMD's numbering, branding and/or naming is not a measurement of higher performance. 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.
- ² Laptops manufactured with recycled metal material in product cover. Percentage of recycled metal varies by product.
- ³ 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.
- ⁴ 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>.
- ⁵ 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. AMD's numbering is not a measurement of clock speed.
- ⁶ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
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- ⁸ EPEAT® Gold with Climate+ registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.
- ⁹ ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.
- ¹⁰ Keyboard components contain post-consumer recycled materials. Percentage of post consumer recycled contained in each component varies by product.
- ¹¹ Includes recycled metal.
- ¹² 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.
- ¹³ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 is backwards compatible with prior Wi-Fi 6E specs. Bluetooth® is a trademark owned by Bluetooth SIG inc. and used by HP Inc. under license.
- ¹⁴ Features may require software or other 3rd party applications to provide the described functionality.
- ¹⁵ Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum. Display measured diagonally
- ¹⁶ Performance and compatibility may vary by device. Subject to change without notice.

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.
- ⁶ 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. AMD's numbering is not a measurement of clock speed.
- ⁷ Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.
- ¹² Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires Windows 11 2024, select Intel® Core™ or Intel® Core™ Ultra processor, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.
- ¹⁸ Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk. Calculated to the nearest whole percent may vary +/-0.5%.
- ¹⁹ For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.
- 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.
- ²⁷ ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. See www.epeat.net for registration status and tier levels by country.
- ³⁰ Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included; Camera resolution refers to the image sensor active pixels. The actual image capture pixels depend on the app and/or aspect ratio selected.
- ³² HP BIOS Protection works with Windows 11 that ships with your PC; 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. Internet service required and not included.
- 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.
- ⁴³ 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 and in-game benefits vary over time, by region, device, and Xbox Game Pass plan. 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.
- ⁴⁶ Bluetooth® 6.0 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 6.0 will function as Bluetooth® 5.4 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](https://www.microsoft.com/en-us/microsoft-365/ai-copilot). Microsoft Copilot features in Microsoft 365 are not available in China or Macao SAR.

