

HP OmniBook X Laptop 14-fe0087nr

Unleash your potential with the new AI era of PCs

Powered by Snapdragon® X Elite¹, featuring an AI engine with dedicated NPU and with the longest battery life ever in an HP laptop², the new OmniBook X AI PC will take your personalized productivity to the next level. A 5MP camera with Windows Studio Effects³ and the best collaboration tools will enhance your connections without interruptions.



*Product image may differ from actual product



Unlock your productivity superpowers with AI

The AI engine with a dedicated NPU learns from you and offloads repetitive tasks, leveling up your skills.



Your perfect mix of performance and mobility

Work anywhere with a PC powered by Snapdragon® X Elite¹ and the longest battery life ever in an HP Laptop.



Collaboration tools for genuine connections

Elevate each call with a 5MP camera, Windows Studio Effects³, 14" touchscreen, and Poly Studio audio tuning.

Sustainability in action

Built for a better tomorrow

Contains recycled metals and plastics⁴; EPEAT® Gold Registered⁵ and ENERGY STAR® 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.⁶

Snapdragon® X Elite

Unleash the full potential of your premium laptop with a powerful, intelligent, and power efficient processor for Windows, boosting productivity to new heights with cutting-edge AI capabilities and game-changing performance.¹

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.⁷

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.⁸

14" Eyesafe® Certified Display with a 16:10 aspect ratio

14" Eyesafe® Certified Display with a 16:10 aspect ratio for creating and editing content, and intuitive touchscreen technology to control your PC directly.⁹

Copilot in Windows with Copilot key

Copilot in Windows gives you intelligent answers. Access with just the touch of the Copilot key.¹⁰

Ocean-bound plastic

Built with the environment in mind, our laptop design includes sustainable materials like ocean-bound plastic in the speaker enclosure and recycled aluminum.¹¹

EPEAT® Gold registered

EPEAT® Gold registered products are the highest-rated products that meet all of EPEAT required criteria. EPEAT is the world's premier ecolabel for electronics.¹²

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.¹³

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.¹⁴

Qualcomm™ FastConnect™ 7800 Wi-Fi 7 High Band Simultaneous

Unleash lightning fast wireless connectivity with Qualcomm Wi-Fi 7 chips & technology, delivering next generation speeds and seamless connectivity for a superior internet experience.¹⁵

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.

5MP IR camera with temporal noise reduction and integrated dual array digital microphones

The high-quality-camera lets you video chat in stunning detail, at up to 2592x1944 resolution.¹⁶

Poly Studio Audio

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.

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)



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Specifications



Performance

Operating system

Windows 11 Home

Processor

Snapdragon® X Elite X1E-78-100 (up to 3.4 GHz, 12 cores)
Processor family: Qualcomm® Snapdragon™ processor

Chipset

Qualcomm® integrated SoC

Memory

16 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; Poly Studio

Display

35.6 cm (14") 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% sRGB¹⁷

Screen-to-body ratio

87.81%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

Connectivity

Wireless connectivity

Qualcomm® FastConnect™ 7800 Wi-Fi 7 (2x2) High Band Simultaneous (HBS) and Bluetooth® 5.4 wireless card^{12,46}

Ports

1 USB Type-A 10Gbps signaling rate (HP Sleep and Charge); 1 headphone/microphone combo; 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4a, HP Sleep and Charge); 1 USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4a, HP Sleep and Charge)¹⁹

Webcam

5MP IR camera with temporal noise reduction and integrated IR dual array digital microphones³⁰

Sustainability

Ecolabels

EPEAT® Gold registered²⁷

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, keyboard frame, base and keyboard supporting plate^{39,40,41}

Design

Product color

Meteor silver aluminum
Sandblasted anodized finish

Software

HP apps

myHP; HP AI Companion

Software

Windows Studio Effects; Copilot in Windows with Copilot key²²;
1 month trial for new Microsoft 365 customers²⁴

Service & support

Xbox Game Pass 1-month free trial; McAfee Online Protection 30-day trial^{2,43}

Additional information

Part Number

P/N: A3QT5UA

UPC/EAN code: 198415169389

Weight

1.34 kg;

Packed: 2.44 kg

Dimensions

31.29 x 22.35 x 1.43 cm (front); 31.29 x 22.35 x 1.44 cm (rear);

Packed: 31.5 x 43 x 10 cm

Manufacturer Warranty

1-year limited hardware warranty. Additional information available at www.support.hp.com; 1-year limited technical support for software and initial setup (from date of purchase)

Keyboard

Full-size, backlit, soft grey 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. Qualcomm's numbering is not a measurement of clock speed.
- ² Based on HP's internal analysis as of next gen PC's with a 40-60 TOPS NPU as of (current date). 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.
- ³ Features may require software or other 3rd party applications to provide the described functionality.
- ⁴ Laptops manufactured with recycled ocean-bound plastic material in product speaker enclosures, recycled aluminum material in product cover and post-consumer recycled plastic in keycaps. Percentage of material contained in each component varies by product.
- ⁵ Based on U.S. EPEAT® registration according to IEEE 16801:2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
- ⁶ 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>.
- ⁷ 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.
- ⁸ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.
- ⁹ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- ¹⁰ Requires Windows 11 and compatible processor with an NPU. Availability and features vary by market and device. Requires Microsoft account to log in. Where Copilot in Windows is not available, the Copilot key will lead to Windows Search. See <http://aka.ms/WindowsAIFeatures>
- ¹¹ Percentage of ocean-bound plastic contained in each component varies by product. Laptops manufactured with recycled aluminum material in product cover. Percent of recycled aluminum varies by product.
- ¹² EPEAT® Silver registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.
- ¹³ ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.
- ¹⁴ 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. Available on select HP products. See <http://store.hp.com> for a full list of product features.
- ¹⁵ Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires compatible future OS, compatible 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.
- ¹⁶ Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included.

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 don't be able to turn it back on.
- ⁹ 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. Available on select HP products. See <http://store.hp.com> for a full list of product features.
- ⁸ 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.
- 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.
- ¹⁴ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited; 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; 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. For details, visit hp.com/go/carepack-services.
- 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 Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content; Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD.
- 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 For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device; Based on U.S. EPEAT® registration according to IEEE 16801:2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
- 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 10 or 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; HP AI Navigator software application requires installation. See terms and conditions for all feature functionality.
- 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 1 month trial offer - Promotional offers may be for new members only and/or not be valid for all members and are only available for a limited time. Credit card and Xbox account required. After promotional period, subscription automatically continues at the then-current regular price (subject to change), unless cancelled, plus applicable taxes. To stop being charged, cancel your subscription or turn off recurring billing in your Microsoft account (account.microsoft.com/services) or on your Xbox console, before the next billing date. For more details, see support.xbox.com/help/subscriptions-billing/manage-subscriptions/cancel-recurring-billing-or-subscription. Purchase of Xbox Game Pass Ultimate automatically upgrades your existing Xbox Live Gold, Xbox Game Pass (PC or Console), and/or EA Play membership(s) to Xbox Game Pass Ultimate at a conversion ratio each based on days remaining. Learn how this works at xbox.com/gamepass. See Microsoft xbox.com/en-US/legal/subscription-terms for more details.
- ⁴⁵ The Flicker-free capability is eliminating screen flickering through integrating DC-dimming LED backlights or LED emissions. OLED panel is functional with DC-DIMMING when above 100nits.
- ⁴⁶ Bluetooth® 5.4 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.4 will function as Bluetooth® 5.3 or lower.

