

# HP OmniStudio 27 inch All-in-One Desktop Next Gen AI PC 27-cw0054



## Copilot+ PC



## Peak performer by day, entertainer by night.

Power through your day with an All-in-One built for work, streaming, and everything in between. With enhanced performance, a 27-inch display, and an intuitive design, it is especially crafted to keep you focused, connected and entertained.

### Product overview

- **Master the art of multitasking:** Power through the day with an AMD Ryzen™ processor, delivering reliable performance for everything from school projects and video calls to family fun. With fast memory and responsive storage, apps load quickly and multitasking stays smooth.
- **Stunning visuals. Big screen. Bigger comfort.** Enjoy more space to create and the comfort to keep going. The 27-inch display delivers sharp, vivid visuals. With an adjustable stand that adapts to your style, you can stay focused and comfortable from morning to night.
- **Be Seen, Heard, and Fully Present.** From virtual classes to weekend movie nights, Wi-Fi® 7<sup>(19d)</sup> keeps you confidently connected, while essential ports make plugging in accessories easy. With the HP 1080p FHD camera<sup>(89b)</sup> and dual speakers, every call, stream, and catch-up looks sharp and clear.
- **Built for a better tomorrow.** This thoughtfully designed HP All-in-One contains post-consumer recycled plastics, recycled metal, EPEAT® Gold with Climate+ and ENERGY STAR® certified.<sup>(27)(62)</sup>

### Key specifications

- **Operating system:** Windows 11 Home<sup>(1)</sup>
- **Processor:** AMD Ryzen™ AI 7 445<sup>(2a)</sup>
- **NPU:** AMD Ryzen™ AI (50 NPU TOPS)<sup>(6c)</sup>
- **Integrated display:** 27" (68.6 cm) diagonal, FHD (1920 x 1080), 75 Hz, WLED, touch, IPS, anti-glare, Low Blue Light, 350 nits, 100% sRGB<sup>(20)(39)</sup>
- **Memory:** 16 GB DDR5-5600 MT/s
- **Internal storage:** 1 TB PCIe® NVMe™ M.2 SSD<sup>(15)</sup>
- **Graphics:** AMD Radeon™ 840M Graphics<sup>(16)</sup>
- **Mouse and keyboard:** HP 275C USB Black Wireless Keyboard and Mouse Combo
- **Camera:** HP 1080p FHD IR camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones<sup>(89b)</sup>
- **USB ports:** Rear: 2 USB 2.0 Type-A, 1 USB Type-A 10Gbps signaling rate, 2 USB Type-C® 10Gbps signaling rate<sup>(42)</sup>
- **Connectivity:** 1 HDMI 2.0b
- **Wireless:** Wi-Fi 7 (2x2)<sup>(19d)</sup> and Bluetooth® 6.0 wireless card<sup>(25b)(26)</sup>
- **Warranty:** 1-year limited hardware warranty

### 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.<sup>(1)</sup>
- **Copilot+ PC Experiences:** Brilliant new AI features designed to take your day from ordinary to extraordinary.<sup>(41a)</sup>
- **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.<sup>(41)</sup>
- **AMD Ryzen™ AI 7 445 processor:** Unlock powerful AI-driven experiences with Copilot+ PCs powered by an AMD Ryzen™ AI processor, designed to enhance creativity, simplify and streamline your day, and give you valuable time back to do more.
- **AMD Radeon™ 840M integrated graphics:** Built in AMD Radeon™ 840M graphics deliver top tier gaming experiences wherever the day takes you.
- **FHD IPS touchscreen:** Control your entertainment right from the screen and get crystal-clear quality with 178-degree wide-viewing angles.<sup>(39)</sup>
- **HP Eye Ease:** Enjoy every detail without the strain. HP Eye Ease reduces blue light to keep your eyes comfortable while preserving vibrant and accurate colors.<sup>(63)</sup>
- **Effortlessly connected:** Enjoy faster speeds, improved performance and greater capacity with Wi-Fi 7 and Bluetooth® 6.0 wireless card.<sup>(19e)(25b)(26)</sup>
- **FHD IR camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones:** Deliver smooth and detailed FHD video with HDR auto-switch that balances contrast and color, even in challenging backlight conditions. While the infrared sensor supports facial recognition log-in with Windows Hello.<sup>(89)</sup>
- **PCIe® NVMe™ M.2 SSD:** With high-speed data transfer, the PCIe® NVMe™ M.2 SSD offers lightning fast speed and efficient storage.

### Additional product features

- **Dual speakers:** Pump up the volume to your favorite music, movie or game with dual-stereo speakers.
- **Advanced AI Noise reduction:** Clearer conversations with Advanced Personal Mode that tracks your voice and filters out others.
- **DTS Sound Unbound:** Experience immersive, cinema-quality 3D audio that elevates movies, games, and music. Feel every whisper, step, and boom come from exactly where it should. Rich, spatial sound puts you right at the center of the action.<sup>(47)</sup>
- **DDR5 RAM:** Designed to run efficiently and reliably at faster speeds, DDR5 is the latest RAM standard. With higher bandwidth, you get more of a boost in performance.
- **Xbox Game Pass Premium 2-month trial:** Enjoy 2 months of Xbox Game Pass Premium. Free with your new HP PC. Access a library of legendary, high-quality games, get exclusive in-game perks, partner discounts, and earn points annually with Xbox Rewards.<sup>(60a)</sup>

### Product design

- **Customize your view:** Adjust your screen for comfortable viewing with height adjust and tilt capabilities.
- **94% 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.
- **USB 2.0 connector:** With the world's most popular USB connection, you can easily connect any of your existing USB devices.
- **USB Type-A 10Gbps signaling data rate:** Plug in your external storage with this USB Type-A port, featuring 10Gbps signaling data rate.
- **USB Type-C® 10Gbps signaling data rate:** Plug in your external storage with this USB Type-C® port, featuring 10Gbps signaling data rate. And it's reversible, so you never have to worry about plugging in upside down.<sup>(42)(43)</sup>
- **HDMI out:** Transmit digital HD video and sound to an external display.
- **Ethernet port:** When you have a spotty wireless connection, you can quickly plug in your Ethernet cable to get a smooth, wired Internet experience that bypasses any wireless issues.

### 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.

- The HP OmniStudio 27 inch All-in-One Desktop Next Gen AI PC is built with the future in mind, using environmentally conscious and recycled materials.
- Up to 30% recycled metal<sup>(63d)</sup>
- Up to 65% post-consumer recycled plastic<sup>(63f)</sup>
- HP's outer boxes and fiber cushions used in packaging are 100% sustainably sourced and recyclable.<sup>(60a)</sup>
- ENERGY STAR® certified<sup>(62)</sup>
- EPEAT® Gold with Climate+<sup>(27)</sup>

### Warranty and support

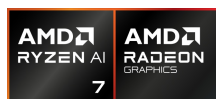
Our Customer Support Team consistently provides quick, responsive assistance in the U.S., Canada and Latin America.

#### 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 - HPSA:** Optimized to enhance your support experience. Help for your PC and HP printers whenever you need it.<sup>(56)</sup>
- **Online Support:** For technical support with this product, visit HP Customer Support <http://support.hp.com>.<sup>(10)</sup>
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Community at [community.hp.com](http://community.hp.com), on X at [x.com/HPSupport](https://twitter.com/HPSupport), and Facebook at [facebook.com/HPSupport](https://facebook.com/HPSupport).<sup>(10)</sup>



**Specifications**

<b>Operating system</b>	• <b>Windows 11 Home</b> <sup>(1)</sup>
<b>Processor</b>	• AMD Ryzen™ AI 7 445 (up to 4.6 GHz max boost clock, 8 MB L3 cache, 6 cores, 12 threads) <sup>(2a)(2d)</sup>
<b>NPU</b>	• AMD Ryzen™ AI (50 NPU TOPS) <sup>(6c)</sup>
<b>Memory</b>	• 16 GB DDR5-5600 MT/s
<b>Internal storage</b>	• 1 TB PCIe® NVMe™ M.2 SSD <sup>(15)</sup>
<b>Finish</b>	• Jet Black
<b>Video graphics</b>	• AMD Radeon™ 840M Graphics <sup>(16)</sup>
<b>Network interface</b>	• Realtek RTL8111HSH-CG GbE NIC
<b>Wireless connectivity</b>	• Wi-Fi 7 (2x2) <sup>(19d)</sup> and Bluetooth® 6.0 wireless card <sup>(25b)(25c)</sup>
<b>Sound</b>	• 2 internal speakers
<b>Expansion slots</b>	• 2 M.2 (occupied)
<b>External ports</b>	• Rear: Headphone/MIC Combo Jack, 2 USB 2.0 Type-A, 1 USB Type-A 10Gbps signaling rate, 2 USB Type-C® 10Gbps signaling rate <sup>(62)</sup> , 1 HDMI 2.0b, 1 RJ-45
<b>Mouse and keyboard</b>	• HP 275C USB Black Wireless Keyboard and Mouse Combo
<b>Camera</b>	• HP 1080p FHD IR camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones <sup>(69b)</sup>
<b>Integrated display</b>	• 27" (68.6 cm) diagonal, FHD (1920 x 1080), 75 Hz, WLED, touch, IPS, anti-glare, Low Blue Light, 350 nits, 100% sRGB <sup>(20)(39)</sup>
<b>Screen to body ratio</b>	• 94% <sup>(40a)</sup>
<b>Tilt/stand design</b>	• <b>Tilt Angle:</b> -6° ~16° • <b>Stand Type:</b> Height adjustable detachable stand
<b>Power supply</b>	• 90 W Smart AC power adapter
<b>Dimensions</b>	• <b>Unpackaged:</b> 24.11 in (W) x 7.28 in (D) x 16.78 in (HAS Min) 20.69 in (HAS Max) (H) approx. • <b>Packaged:</b> 28.74 in (L/D) x 7.08 in (W) x 20.47 in (H) approx.
<b>Weight</b>	• <b>Unpackaged:</b> 13.45 lb approx. <sup>(76)</sup> • <b>Packaged:</b> 26.36 lb approx.
<b>Warranty and support</b>	• 1-year limited hardware warranty. Additional information available at <a href="http://www.support.hp.com">www.support.hp.com</a> • 1-year limited technical support for software and initial setup (from date of purchase) <sup>(53)</sup>

**Software and technology**

<b>Next Gen AI Apps</b>	<ul style="list-style-type: none"> <li>• <b>Click to Do (preview):</b> Tap, click, done—faster actions, less thinking. Increase productivity and creativity with Click to Do (preview) instant actions on screen-recognized text and images.<sup>(41a)</sup></li> <li>• <b>Generative Fill:</b> 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.<sup>(41a)</sup></li> <li>• <b>Improved Windows search:</b> 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.<sup>(41a)</sup></li> <li>• <b>Recall (preview):</b> 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.<sup>(41a)</sup></li> </ul>
<b>Help and support</b>	<ul style="list-style-type: none"> <li>• <b>HP Support Assistant:</b> Help with your HP PC and printers whenever you need it.<sup>(56)</sup></li> <li>• <b>HP App:</b> HP App provides a simple setup and registration experience that welcomes you to your new HP PC. 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.</li> </ul>

**Learn more at [hp.com](http://hp.com)**

<sup>(1)</sup> 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>. <sup>(2a)</sup> 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. AMD and Radeon are trademarks of Advanced Micro Devices, Inc. <sup>(2b)</sup> Max Boost clock frequency performance varies depending on hardware, software and overall system configuration. GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance. <sup>(6c)</sup> 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. <sup>(8)</sup> 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. <sup>(10)</sup> Internet service required and not included. <sup>(15)</sup> Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. <sup>(16)</sup> Part of the total system memory (RAM) is used for graphics/video performance. System memory dedicated to graphics/video performance is not available for other use by other programs. <sup>(19d)</sup> 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 Windows 11 OS, compatible processor, and separately purchased Wi-Fi 7 router to support backwards compatibility 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. <sup>(19a)</sup> Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. Only available in countries where Wi-Fi 6 is supported. <sup>(20)</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. <sup>(22)</sup> 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](http://dropbox.com). Internet service required and not included. <sup>(23)</sup> HP BIOS Protection works with Windows 11 that ships with your PC. <sup>(25b)</sup> 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. <sup>(26)</sup> Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. <sup>(27)</sup> This applies to EPEAT Registered products that meet Global Electronics Council, Sustainable Use of Resources Criteria (EPEAT-SUR-2025), January 29, 2025. Available at [www.gec.org](http://www.gec.org) <sup>(39)</sup> Full High Definition (FHD) content is required to view FHD images. <sup>(40a)</sup> Percent of active and nonactive viewing area to chassis. <sup>(41)</sup> Copilot key feature availability varies by market, see [aka.ms/keysupport](http://aka.ms/keysupport). Copilot is NOT available in China, Russia, Belarus, and embargoed regions Cuba, Iran, North Korea, Crimea. <sup>(41a)</sup> Copilot+ PC experiences vary by device and region and may require updates continuing to roll out through 2025; timing varies. See [aka.ms/copilotpluspcs](http://aka.ms/copilotpluspcs) <sup>(42)</sup> USB Type-C® and USB-C® are trademarks of USB Implementers Forum. <sup>(43)</sup> Actual throughput may vary. <sup>(47)</sup> Listening to personal stereo equipment at full volume for long periods can damage the user's hearing. To reduce the risk of hearing damage, lower the volume and amount of time listening at full volume. <sup>(53)</sup> Call 1.800.474.6836 or [support.hp.com](http://support.hp.com) for more information on Care Packs available after standard warranty expires. After standard warranty expires, an incident fee may apply. <sup>(56)</sup> For more information visit [hp.com/go/hpsupportassistant](http://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. <sup>(60a)</sup> 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](http://xbox.com/regions). Terms apply, see [xbox.com/gamepass](http://xbox.com/gamepass) for more. <sup>(62)</sup> ENERGY STAR and the ENERGY STAR logo are registered trademarks owned by the U.S. Environmental Protection Agency. <sup>(63)</sup> HP Eye Ease hardware that does not impact color accuracy used with Eyesafe. Eyesafe® certified website: <https://eyesafe.com>. <sup>(63d)</sup> Percentage of recycled metal varies by product. 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. <sup>(63a)</sup> 100% outer box/corrugated 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. <sup>(63b)</sup> Percentage of post-consumer recycled plastic varies by product. Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard. <sup>(76)</sup> Weight and system dimensions may fluctuate due to configuration and manufacturing variances. <sup>(88a)</sup> 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. <sup>(89)</sup> Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. <sup>(89b)</sup> Camera resolution refers to the image sensor active pixels. The actual image capture pixels and aspect ratio depend on the app selected. <sup>(94a)</sup> Additional displays sold separately, not included. Actual product may vary from image shown on datasheet. © Copyright 2026 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. 03/02/2026\_v1 ja

<b>Security and protection</b>	<ul style="list-style-type: none"> <li>• <b>HP BIOS Protection:</b> Get peace of mind knowing your PC BIOS is protected. HP BIOS Protection automatically checks its health and recovers itself.<sup>(23)</sup></li> <li>• <b>Secure Password Manager with HP Omni+:</b> Manage passwords securely with end-to-end encryption and industry-standard cryptography. Your passwords are protected on your device, never stored in plaintext, and never accessible to HP.</li> </ul>
<b>Partner offers</b>	<ul style="list-style-type: none"> <li>• <b>Dropbox cloud storage:</b> 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.<sup>(10)(22)</sup></li> <li>• <b>Adobe Offer:</b> 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.<sup>(88a)</sup></li> <li>• <b>McAfee Premium Individual 30-day trial:</b> 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.<sup>(88)(10)</sup></li> </ul>
<b>System performance</b>	<ul style="list-style-type: none"> <li>• <b>HP Connection Optimizer:</b> Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points.<sup>(10)</sup></li> </ul>
<b>Work and lifestyle</b>	<ul style="list-style-type: none"> <li>• <b>Microsoft Copilot:</b> Microsoft Copilot gives you intelligent answers. Access with just the touch of the Copilot Key.<sup>(41)</sup></li> <li>• <b>Advanced AI Noise reduction:</b> Enjoy clearer team conversations with AI Noise reduction. Using the Advanced Personal Mode, it tracks only your voice during conference calls while automatically filtering out noises and other speakers for distinctively focused communications.</li> <li>• <b>Copilot+ PC Experiences:</b> 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.<sup>(41a)</sup></li> <li>• <b>Smart Display with Screen Shift and Task Group features:</b> Seamless multitasking on multiple displays with one-click to shift, snap, and launch windows where you want.<sup>(94a)</sup></li> </ul>
<b>Gaming and entertainment</b>	<ul style="list-style-type: none"> <li>• <b>OMEN Gaming Hub:</b> Your one place for everything to make your gaming experience better. From software enhancements to hardware control, and live services, OMEN Gaming Hub elevates play in an easy and simple way.</li> <li>• <b>OMEN AI:</b> Provides personalized settings recommendations to achieve the best possible FPS with minimum hassle.</li> <li>• <b>DTS Sound Unbound:</b> Experience immersive, cinema-quality 3D audio that elevates movies, games, and music. Feel every whisper, step, and boom come from exactly where it should. Rich, spatial sound puts you right at the center of the action.<sup>(47)</sup></li> <li>• <b>Xbox Game Pass Premium 2-month trial:</b> Enjoy 2 months of Xbox Game Pass Premium. Free with your new HP PC.<sup>(60a)</sup></li> <li>• <b>Built-in streaming with HP TV+:</b> Stream live TV, movies, shows, sports, news, and more with HP TV+, optimized for PC viewing whether you're fully immersed or multitasking.</li> </ul>

**Additional information**

<b>Product number</b>	• CF3XGAA#ABA
<b>UPC code</b>	• 199642840348
<b>Country of origin</b>	• Thailand
<b>Pallet information</b>	<ul style="list-style-type: none"> <li>• <b>Dimensions:</b> 47.2 in (L/D) x 39.4 in (W) x 87.6 in (H) approx.</li> <li>• <b>Total weight:</b> 786 lb approx.</li> <li>• <b>Layers:</b> 4</li> <li>• <b>Products per layer:</b> 7</li> <li>• <b>Total products per pallet:</b> 28</li> </ul>

