

HP OmniStudio X 31.5 inch All-in-One Desktop 32-c0010



Your ultimate All-in-One ally to take on the day, your way

The HP OmniStudio X All-in-One PC is your ultimate ally. Conquer even the most demanding tasks at lightning speed with built-in AI technology and a powerful Intel® Core™ Ultra processor so you can achieve more in less time. When it's time to unwind, dive into cinema-quality audio and immersive visuals with the 4K IMAX enhanced display⁽³⁷⁾ right from the comfort of your own home allowing a seamless transition from work to play.

Product overview

- **Works with you, for you, for more productivity:** Designed with cutting-edge technology tailored to your needs and a powerful Intel® Core™ Ultra processor with Intel® AI Boost, this adaptable HP OmniStudio X All-in-One works for you. Stay in the zone on your most demanding tasks whenever your creativity takes you without interruptions thanks to powerful features and faster speeds. Connect your digital worlds in one powerful hub using the USB Type-C® with DisplayPort™ In, and pick up wherever you left off using the camera, speakers and keyboard.⁽⁴²⁾⁽⁴³⁾
- **Ultimate entertainment. Genuine connections. Uninterrupted impact.** Seamlessly transition from work to play and dive into cinema-quality audio and immersive visuals with the 4K IMAX enhanced display. Every call is an opportunity to showcase your ideas to the world through a pop-up 5MP camera with a manual shutter ensuring your privacy is always protected. Your connections are more meaningful thanks to Windows Studio Effects, including automatic framing, background blur, voice focus and the ability to maintain eye contact. Immersive visuals and genuine connections without interruptions and less distractions, all in one device.
- **Designed with you and your wellbeing in mind:** Harmonize your creative pursuits with built-in AI-powered wellness features. Get through the day with less eye discomfort with a screen distance reminder that gently blurs the screen when you're too close. Take control of your screen time with a screen time reminder that encourages healthy viewing habits. Have the ultimate setup tailored to your needs with the height adjustable stand packed with plenty of ports, keeping your workflow seamless and uninterrupted.
- **Built for a better tomorrow:** The HP OmniStudio X All-in-One is designed using up to 25% recycled metals and 35% post-consumer recycled plastics. EPEAT® Gold with Climate+ and ENERGY STAR® certifications demonstrate reduced environmental impact and increased energy efficiency.

Key specifications

- **Operating system:** Windows 11 Home⁽¹⁾
- **Processors:** Intel® Core™ Ultra 7 155H processor^(2b)
- **Integrated display:** 31.5" (80.01 cm) diagonal, 4K UHD (3840 x 2160), IPS, three-sided micro-edge, anti-glare, 550 nits, HDR 600, 95% DCI-P3, Non-touch screen⁽²⁰⁾⁽³⁷⁾
- **Memory:** 16 GB DDR5-5600 MT/s memory⁽³⁾ (2 x 8 GB)
- **Internal Storage:** 2 TB PCIe® Gen4 NVMe™ M.2 Solid State Drive⁽¹⁵⁾
- **Graphics:** NVIDIA® GeForce RTX™ 4050 graphics with 6 GB GDDR6 dedicated memory⁽¹³⁾
- **Sound:** Poly Studio
- **Mouse and keyboard:** HP meteor silver wireless keyboard and mouse combo
- **Camera:** 5 MP IR camera with temporal noise reduction and integrated dual array digital microphones⁽⁸⁾⁽⁹⁾⁽⁹⁹⁾
- **USB ports:** Side I/O: 2 USB Type-A 10Gbps signaling rate, 1 USB Type-C® 10Gbps signaling rate⁽⁴²⁾
- **Rear:** 2 USB Type-A 10Gbps signaling rate, 1 USB Type-C® 20Gbps signaling rate (DisplayPort™ 1.4 In/Out)⁽⁴²⁾⁽⁵⁰⁾
- **Connectivity:** HDMI Out, HDMI In
- **Wireless:** Wi-Fi 6E (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)⁽⁷⁾⁽¹⁹⁾⁽²⁵⁾⁽²⁶⁾
- **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.⁽¹⁾
- **Copilot in Windows:** Before any task, just ask. Copilot in Windows complements your capabilities and creativity with intelligent assistance and relevant answers. Here to help with your everyday, no matter what it looks like.⁽⁴¹⁾
- **Intel® Core™ Ultra 7 processor:** Boost productivity by generating images and music from text. Dramatically enhance videos with faster AI accelerated editing and enjoy immersive 1080p gaming.⁽⁴⁾
- **NVIDIA® GeForce RTX™ 4050:** The NVIDIA® GeForce RTX™ 4050 (6GB) delivers the ultra performance and features that enthusiast gamers and creators demand. Bring your games and creative projects to life with ray tracing and AI-powered graphics.
- **Eyesafe® Certified display:** Protects your eyes from harmful blue light without distorting colors to reduce eyestrain when working for long periods of time.
- **IMAX Enhanced Certified:** Take entertainment to a whole new level. Enjoy brighter images, immersive, heart-pounding audio, and experience premium content digitally remastered by IMAX on your device.
- **4K IPS display:** With 8.2 million pixels, be mesmerized by the 4K experience. The spectacular 3840 x 2160 resolution delivers your content in jaw-dropping quality with true-to-life definition and 178-degree wide-viewing angles.⁽³⁷⁾
- **Anti-glare panel:** Enjoy your favorite content with this anti-glare panel. Non-reflective and low gloss means you'll get less glare.
- **Flicker-free:** Using DC Dimming technology, we can eliminate screen flickering for more comfortable viewing.⁽⁵¹⁾
- **Screen Time & Screen Distance:** Offers a customized experience to support the wellbeing of the whole family. Manage reminders for balanced productivity and encourage proper posture while minimizing eyestrain.
- **HP 5MP IR camera with HDR switch:** Take visually stunning works of art with HP 5MP IR camera with HDR switch capabilities. With High Dynamic Range and 16:10 aspect ratio you get HD content natively, so you can capture more gradients between lights and darks for true color accuracy.

Additional product features

- **PCIe® Gen4 NVMe™ M.2 SSD:** With high-speed data transfer, the PCIe® Gen4 NVMe™ M.2 SSD offers lightning fast speed and efficient storage.
- **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.
- **Adaptive Audio:** Thanks to advanced audio technology, your PC automatically adapts to where you are in the room and provides a consistent surround sound experience.
- **DDR5 RAM:** With higher bandwidth, you get more of a boost in performance.
- **Effortlessly connected:** Enjoy faster speeds, improved performance and greater capacity with Wi-Fi 6 and Bluetooth® 5.3 wireless card.⁽¹⁾⁽⁹⁾⁽⁵⁵⁾⁽⁶⁰⁾
- **Presence sensing:** Experience optimal security and efficiency with presence sensing. Automatically lock and wake your PC, saving power and getting back to work quickly.⁽⁷⁷⁾
- **Enjoy 1-month of high-quality games.** Use the Xbox App to play hundreds of high-quality PC games with friends including new day one titles and get an EA Play membership. With games added all the time, you always have something new to play. Xbox Game Pass Ultimate also enables you to play console games on your Windows PC with cloud gaming, and chat with friends across PC, mobile, and Xbox console.⁽⁶⁰⁾

Product design

- **Windows Copilot Key:** Help is always at hand. Get fast-access to AI-assistance with the Copilot key.⁽⁴¹⁾
- **Adjust your view:** Adjust your screen's height for comfortable viewing.
- **Three-sided micro-edge display:** See more of your screen with a three-sided micro-edge display that maximizes your viewing area.
- **Easy I/O access:** Plug and unplug devices with ease with easy I/O access. Quick access to ports without having to move the device to reach the rear I/O.
- **USB Type-C® DisplayPort™ In:** Seamlessly connect your digital worlds in one powerful hub. Control your laptop, AIO, and charge simultaneously with USB Type-C® DP-In.⁽⁴²⁾⁽⁴³⁾⁽⁵⁰⁾
- **HDMI in:** Plug in and enjoy your favorite content on a bigger screen.
- **HDMI out:** Transmit digital HD video and sound to an external display.
- **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.⁽⁴²⁾⁽⁴³⁾
- **USB Type-A 10Gbps signaling data rate:** Plug in your external storage with this USB Type-A port, featuring 10Gbps signaling data rate.

Designed 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 X 32 inch All-in-One Desktop is built with the future in mind, using environmentally conscious and recycled materials.

- Up to 25% recycled metals
- Up to 35% post-consumer recycled plastic
- Packaged with 100% sustainably sourced FSC certified, plastic-free packaging
- ENERGY STAR® certified
- EPEAT® Gold with Climate+^{(27)(a)}

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.⁽⁵⁴⁾
- **Online Support:** For technical support with this product, visit HP Customer Support <http://support.hp.com>.⁽¹⁰⁾
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Community at community.hp.com, on Twitter at twitter.com/HPSupport, and Facebook at facebook.com/HPSupport.⁽¹⁰⁾

Extend your coverage:

- **SmartFriend, part of HP Care:** Experts are available 24/7 to handle any tech issue, on any device, from any brand. Visit www.hp.com/go/smartfriend to learn more or call toll-free 1.844.814.1800 to get started.⁽⁶⁵⁾
- **Care Packs, part of HP Care:** Extend protection beyond the standard limited warranty. For more info, visit www.hp.com/go/carepack-services or call toll-free at 1.877.232.8009.⁽⁶³⁾



Specifications

Operating system	• Windows 11 Home ⁽¹⁾
Processor	• Intel® Core™ Ultra 7 155H processor ^(2b) • 16-core
Processor speed	• Up to 4.8 GHz with Intel® Turbo Boost Technology ^(2g)
Cache	• 24 MB L3 cache
Memory	• 16 GB DDR5-5600 MT/s memory ⁽³⁾ (2 x 8 GB) (expandable up to 32 GB (16GB x 2)) ^(3a)
Internal storage	• 2 TB PCIe® Gen4 NVMe™ M.2 Solid State Drive ⁽¹⁵⁾
Finish	• HP finish in Meteor Silver
Video graphics	• NVIDIA® GeForce RTX™ 4050 graphics with 6 GB GDDR6 dedicated memory ⁽¹³⁾
Network interface	• 10/100/1000/2500 GbE NIC ⁽²⁹⁾
Wireless connectivity	• Wi-Fi 6 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate) ^{(7)(19e)(25)(26)}
Sound	• Poly Studio
Memory slots	• 2 DIMM (SO-DIMM) (occupied)
Expansion slots	• 2 M.2 (occupied)
External ports	• Headphone/Microphone Combo • Side I/O: 2 USB Type-A 10Gbps signaling rate, 1 USB Type-C® 10Gbps signaling rate ⁽⁴²⁾ • Rear: 2 USB Type-A 10Gbps signaling rate, 1 USB Type-C® 20Gbps signaling rate (DisplayPort™ 1.4 In/Out) ⁽⁴²⁾⁽⁵⁰⁾ , 1 RJ-45, HDMI Out, HDMI In
Mouse and keyboard	• HP meteor silver wireless keyboard and mouse combo
Camera	• 5 MP IR camera with temporal noise reduction and integrated dual array digital microphones ^{(89)(89b)}
Microphone	• Dual array digital microphone
Integrated display	• 31.5" (80.01 cm) diagonal, 4K UHD (3840 x 2160), IPS, three-sided micro-edge, anti-glare, 550 nits, HDR 600, 95% DCI-P3, Non-touch screen ⁽²⁰⁾⁽³⁷⁾ • IMAX Enhanced Certified
Screen to body ratio	• 93.88% ^(40a)
Tilt/stand design	• Tilt Angle: -1° ~16° • Stand Type: Height Adjust Stand
Power supply	• 280 W 80 Plus Platinum certified power supply
Dimensions	• Unpackaged: 28.14 in (W) x 7.88 in (D) x 22.26 in (H) approx. • Packaged: 32.50 in (L/D) x 6.40 in (W) x 22.80 in (H) approx.
Weight	• Unpackaged: 21.61 lb approx. ⁽⁷⁶⁾ • Packaged: 36.60 lb approx.
Warranty and support	• 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) ⁽⁵³⁾

Software and technology

Help and support	• HP Support Assistant: Help with your HP PC and printers whenever you need it. ⁽⁵⁶⁾ • myHP: 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.
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Security and protection	• HP BIOS Protection: Get peace of mind knowing your PC BIOS is protected. HP BIOS Protection automatically checks its health and recovers itself. ⁽²³⁾
Partner offers	• Dropbox cloud storage: Store and synchronize your content online with Dropbox. Get 100GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access. ⁽¹⁰⁾⁽²²⁾ • 1-month of Xbox Game Pass Ultimate included: Unlimited access to over 100 high-quality PC games for 1-month. ⁽⁶⁰⁾ • McAfee 30-day trial: Secure your privacy and data when browsing on public Wi-Fi with VPN, included in your free McAfee 30-day trial. ⁽⁸⁾⁽¹⁰⁾ • Adobe Offer: 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. ^(88a)
System performance	• HP Connection Optimizer: Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points. ⁽¹⁰⁾
Work and lifestyle	• HP Enhanced Lighting: Easily enhance brightness, color and lighting effects to look your best during video calls with integrated HP Enhanced Lighting app. • AI Noise Removal: Artificial intelligence technology automatically removes background noise for clearer than ever video chats, audio calls, and recordings. • Intel® Unison™: Unlock your connected world. Intel® Unison™ effortlessly connects your PC and choice of phone for a universal, easy to use experience. Now with UniFeed, Universal Control, and Device Support, Unison™ connects you further. • Otter.ai: With Otter.ai, an AI assistant can record audio, write notes, automatically capture slides, record, transcribe, and generate meeting summaries so that you can save time and stay organized. • Poly Camera Pro: Elevate your video calls with AI to enjoy crystal clear video, customizable settings and professional grade features for a truly immersive video conferencing and collaboration experience. ⁽¹⁰⁾ • Windows Studio Effects: Experience next generation video calls enabled by AI. Keep everyone in view with automatic framing while staying connected with eye contact. Experience better privacy with background blur and choose optional portrait effect to soften background and have an aesthetic look. • Copilot in Windows: Take the friction out of your workflow with personalized assistance and answers relevant to you. ⁽⁴¹⁾
Gaming and entertainment	• OMEN Gaming Hub: 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. • DTS:X® Ultra technology: Authentic, spatially accurate 3D sound to provide the best entertainment experience.

Additional information

Product number	• ASEQ9AA#ABA
Ad embargo date	• 10/13/2024
UPC code	• 198415481658
Country of origin	• China
Pallet information	• Dimensions: 47.24 in (L/D) x 39.40 in (W) x 74.40 in (H) approx. • Total weight: 918.00 lb approx. • Layers: 3 • Products per layer: 8 • Total products per pallet: 24

Learn more at hp.com

⁽¹⁾ 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>. ^(2a) 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. Intel's numbering, branding and/or naming is not a measurement of higher performance. Intel, Pentium, Intel Core, Celeron, Iris X®, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries. ^(2g) Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See intel.com/technology/turboboost for more information. GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance. ⁽³⁾ Up to 512MB of main system memory may be allocated to support video graphics. ^(3a) Based on system capability, actual spec offering may be different. Maximum upgradeability will vary by model. ⁽⁸⁾ Intel® technologies may require enabled hardware, software or service activation. No product or component can be absolutely secure. ⁽⁷⁾ Wi-Fi 5 or 6 is designed to support Gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels. ⁽⁸⁾ 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. ⁽¹⁰⁾ Internet service required and not included. ⁽¹³⁾ ©2022 NVIDIA Corporation. NVIDIA, the NVIDIA logo, GeForce, and GeForce RTX are registered trademarks and/or trademarks of NVIDIA Corporation in the United States and other countries. All other trademarks and copyrights are the property of their respective owners. ⁽¹⁵⁾ Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. ^(19a) 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. ⁽²⁰⁾ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. ⁽²²⁾ 100GB of free online storage for one year from date of registration. For complete details and terms of use, including cancellation policies, visit the website at dropbox.com. Internet service required and not included. ⁽²³⁾ HP BIOS Protection works with Windows 11 that ships with your PC. ^(25a) 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. ⁽²⁶⁾ Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. ^(27a) See www.epeat.net for registration status and tier levels by country. ⁽²⁹⁾ Actual speeds may vary. ⁽³⁷⁾ 4K content required to view 4K images. ^(40a) Percent of active and nonactive viewing area to chassis. ⁽⁴¹⁾ Requires Windows 11. Some features require an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Copilot is not available, the Copilot key will lead to the Bing search engine. See <http://aka.ms/WindowsAIFeatures>. ⁽⁴²⁾ USB Type-C® and USB-A® are trademarks of USB Implementers Forum. ⁽⁴³⁾ Actual throughput may vary. ⁽⁵⁰⁾ DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. ⁽⁵³⁾ 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. ⁽⁵⁶⁾ 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. ⁽⁶⁰⁾ 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/subscriptions-terms for more details. ⁽⁶¹⁾ 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. ⁽⁷⁸⁾ Weight and system dimensions may fluctuate due to configuration and manufacturing variances. ⁽⁷⁷⁾ See URL for more details. <https://learn.microsoft.com/en-us/windows-hardware/design/device-experiences/sensors-presence-sensing> ⁽⁸³⁾ 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. HP Care Packs are sold separately. For details, visit hp.com/go/carepack-services. ^(88a) 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 transferable. 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. ⁽⁸⁹⁾ Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. ^(89b) Camera resolution refers to the image sensor active pixels. The actual image capture pixels and aspect ratio depend on the app selected. ⁽⁹³⁾ HP SmartFriend will support any major brand of computer and tablet running Microsoft Windows, OSX, iOS, Android, and Chrome OS. 24x7 support is available in English and in the US & Canada (excluding the Province of Quebec) only. Service availability varies by country/region. Internet connection required for remote support. Remote support not available for tablets. Not all service plans cover support for tablets. HP SmartFriend sold separately or as an add-on feature. Actual product may vary from image shown on datasheet. © Copyright 2024 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. 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