

HP OmniStudio X All-in-One Desktop Next Gen AI 27-cx0012na PC

Elevate your workspace with AI-driven power

Bring beauty and power to your workspace with the HP OmniStudio X 27-inch All-in-One Desktop, powered by Intel® Core™ Ultra processors¹. Enjoy a stunning 27" Neo:LED display² and AI-driven performance that makes every project, call, and creative task feel effortless and inspiring.



*Product image may differ from actual product



A work of art that works like a machine

Tackle creative work, multitasking, and everything in between with ease with the best desktop computer for working from home.



Your front-row seat to every pixel

See every detail come alive on the 27" Neo:LED display², perfect for working from home or video editing.



A design you'd be proud to show off

Experience stylish comfort and effortless viewing from any angle with this HP all-in-one 4-sided borderless, tilttable design.

Sustainability in action

Built with our shared future in mind

This thoughtfully designed All-in-One is EPEAT® Gold with Climate+³ and ENERGY STAR® certified⁴.



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.⁵

Intel® Core™ Ultra 5 Series 3 processor

No tradeoffs. Intel® Core™ Ultra Series 3 processors deliver what matters: powerful performance and built-in graphics and AI to revolutionize how you create, game, and work. Feel the power of Intel Inside®.⁶

Intel® graphics

Stream your favorite shows, hop on video calls, and scroll through photo edits. All with smooth, responsive visuals. Built-in Intel® Graphics handle everyday entertainment and multitasking with ease and no extra GPU.⁷

QHD Neo:LED display

Be immersed in true-to-life visuals with a QHD Neo:LED that supports 100% dual color coverage with DCI-P3 and Adobe RGB. Discover striking brightness, deep blacks, and rich colors for all your creative and entertainment needs.

Low Blue Light

Protect your eyes from harmful blue light with a low blue light display.

Visibly brilliant detail

With 450 nits of brightness, view beautiful details, enhanced image quality, and distinct shades of color—even in bright lighting conditions.⁸

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.

Xbox Game Pass Premium 2-month trial

Enjoy 2 months of Xbox Game Pass Premium. Free with your new HP device. Access a library of legendary, high-quality games, get exclusive in-game perks, partner discounts, and earn points annually with Xbox Rewards.⁹

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.¹⁰

Poly Camera Pro

Poly Camera Pro elevates 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.

PCIe SSD storage

Boot up in seconds with lightning fast speed with up to 1 TB PCIe SSD storage.

Thunderbolt™ 4 with USB Type-C®

The latest Thunderbolt™ solution lets you power your device or connect up to two 4K displays with a single cable and blazing 40Gbps signaling rate.

HDMI out

It's never been easier to give your device a bigger or second display. With HDMI output you can transmit HD video and sound with just one standard cable.

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.

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® 6.0.¹¹

5MP IR camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones

Deliver professional-quality video with HDR auto-switch to optimize contrast and color, even in challenging backlight conditions. While the infrared sensor supports facial recognition log-in with Windows Hello.¹²

Recommended accessories and services (not included)



HP 200 Sanitizable Desk Mat
8X596AA



Poly Blackwire 5220 Stereo USB-C Headset +3.5mm
Plug +USB-C/A Adapter
93S88AA



HP Ultra-Fast-Scroll Wireless Mouse 780M
B8YX3AA



3-year pickup and return
UC994E

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Specifications



Performance

Operating system

Windows 11 Home

Processor

Intel® Core™ Ultra 5 322 (up to 4.4 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores, 6 threads)^{6,7}

Processor family: Intel® Core™ Ultra 5 processor

Neural Processing Unit (NPU): Intel® AI Boost (46 NPU TOPS)

Chipset

Intel® integrated SoC

Memory

16 GB DDR5-5600 MT/s (1 x 16 GB)

Transfer rates up to 5600 MT/s.

Memory slots: 2 SODIMM

Storage

1 TB PCIe® NVMe™ M.2 SSD

100 GB Dropbox storage for 3 months¹

Graphics

Integrated: Intel® Graphics;

Audio

Quad 3 W speakers

Display

68.6 cm (27") diagonal, QHD (2560 x 1440), Neo:LED, 120 Hz, UWVA, IPS, anti-glare, Low Blue Light, 450 nits, 100% Adobe RGB and 100% DCI-P3¹⁵

Screen-to-body ratio

98%⁵

Power

120 W AC power adapter;

Connectivity

Network interface

Realtek RTL8125BGH-CG 10/100/1000/2500 GbE NIC

Wireless connectivity

Realtek Wi-Fi 7 (2x2) and Bluetooth® 6.0 wireless card^{12,46}

Ports

Rear:

2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate; 3 USB Type-A 10Gbps signaling rate; 1 headphone/microphone combo; 1 RJ-45

Bottom:

1 USB 2.0 Type-A (keyboard and mouse dongle)

Video connectors

1 HDMI-out 2.0b

Expansion slots

2 M.2 (1 for SSD loaded, 1 for WLAN loaded)

Webcam

5MP IR camera with HDR auto switch, 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

At least 30% recycled metal; At least 65% post-consumer recycled plastic^{40,41}

Design

Product color

Eclipse gray

Paint finish

Software

HP apps

HP Connection Optimizer; HP Support Assistant; OMEN Gaming Hub

Software

Intel Thunderbolt Share; Poly Camera Pro with Surface View;

1 month trial for new Microsoft 365 customers²⁴

Service & support

McAfee Online Protection 30-day trial; 1-month Adobe free trial offer; Xbox Game Pass Premium 2-month trial^{2,25}

Additional information

Part Number

P/N: DP2X6EA #ABU

UPC/EAN code: 826581353379

Weight

Starting at 6.38 kg;

Packed: 12.23 kg

Dimensions

61.39 x 18.5 x 51.96 cm (height adjustable stand max); 61.39 x 18.5 x 41.96 cm (height adjustable stand min);

Packed: 73 x 18 x 52 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

HP 675C USB Gray Wireless Keyboard and Mouse Combo

Security management

Camera privacy shutter; Microsoft Pluton



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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. Intel's numbering, branding and/or naming is not a measurement of higher performance. Potential NPU inferencing performance varies by use, configuration, and other factors.
- ² The Neo:LED display features a wide color gamut (Adobe RGB and Display P3) and enhanced contrast performance. Actual color reproduction, black levels, brightness, and image quality may vary depending on system configuration, content, and ambient lighting.
- ³ 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.
- ⁴ ENERGY STAR and the ENERGY STAR logo are registered U.S. marks.
- ⁵ 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>.
- 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. Intel's numbering is not a measurement of higher performance.
- ⁷ For more complete information on configurations and workloads, visit www.Intel.com/PerformanceIndex.
- ⁸ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- ⁹ 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 varies over time, by region, device, and Xbox Game Pass plan. xbox.com/gamepass. In-game benefits vary by game, region, and over time. 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. Excludes HP Chromebooks.
- ¹⁰ ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.
- ¹¹ 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.
- ¹² Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included.

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.
- ⁵ Percent of active and nonactive viewing area to chassis
- 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. Intel's numbering, branding and/or naming is not a measurement of higher performance.
- ⁷ Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.
- 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.
- ¹⁵ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- 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.
- ⁴⁰ Recycled metal is expressed as a percentage of the total weight metal as per defined in the EPEAT criteria.
- ⁴¹ Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT criteria.
- 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.
- ⁵¹ Weight and system dimensions may fluctuate due to configuration and manufacturing variances.

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