HP OmniStudio X All-in-One Desktop Next Gen AI 32-c1002na PC

Conquer the most demanding tasks with your AI-powered ally

Conquer your demanding tasks with the HP OmniStudio X 31.5-inch All-in-One Desktop Next Gen AI PC with an AI-accelerating Intel® Core™ Ultra Processor[1] and the productivity boosting Copilot+[4]. Enjoy immersive visuals on a 4K[2] UHD[3] display, AI-powered wellness features and ultrafast connectivity to effortlessly transition between work and play.



*Product image may differ from actual product

AI-enhanced productivity that works with you

Boost AI-powered multitasking with an Intel® Core™ Ultra Processor[1], ultrafast Wi-Fi and Copilot+[4].

More meaningful connections and immersive visuals

Enjoy the 4K[2] UHD[3] display and next level calls with the 5MP camera[5] with Windows Studio Effects.

Designed with you and your wellbeing in mind

Unlock meaningful impact with AI-powered wellness features like screen distance and screen time reminders.

Sustainability in action

Built with our shared future in mind

Designed with recycled metals[6] and recycled plastic[7]. EPEAT® Gold with Climate+[8] 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.[9]

Intel® Core™ Ultra Processors
Make the hard stuff easy with Intel® Core™ Ultra processors. Accelerate AI experiences across hundreds of apps.[10]

Intel® Arc™
Unleash your imagination with new Intel® Arc™ graphics solutions, hardware, software, and services. All built to help you game, create, and stream—without limits.

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° wide-viewing angles.[11]

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.

Flicker-free
Using DC Dimming technology that controls brightness by adjusting direct current rather than cycling the backlight, we can eliminate screen flickering for more comfortable viewing.[12]

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.[13]

EPEAT® Gold with Climate+
With EPEAT® Gold with Climate+, you're choosing a movement towards responsibility and climate action.[14]

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.[15]

Design contains recycled metals and post-consumer recycled plastics
Built for a better tomorrow. Designed using recycled metals and post-consumer recycled plastics to reduce environmental impact and promote super energy efficiency.[16]

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.

1TB PCIe® Gen4 NVMe™ M.2 SSD
With high-speed data transfer, the 1 TB PCIe Gen4 NVMe M.2 SSD offers lightning fast speed and efficient storage.[17]

USB Type-A 10Gbps signaling data rate
Plug in your external storage with this USB Type-A port, featuring 10Gbps signaling data rate.[18]

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.

16 GB LPDDR5 RAM
Experience speedy and responsive performance with the power efficient 16 GB LPDDR5 memory. Designed to support higher data rates with less latency, plus faster file transfers and application load.

Intel® Wi-Fi 7 BE201 (2x2) and Bluetooth® 5.4 wireless card
Enjoy a smoother wireless experience with a Wi-Fi 7 (2x2) and Bluetooth® 5.4 wireless card, ensuring an solid connection for all your devices.[19]

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.[20]

An exceptionally rich audio experience
HP Dual Speakers and audio custom-tuned in collaboration with experts at Bang & Olufsen, bring entertainment to life with sound you can feel. Awaken your senses with PC audio perfection.

McAfee Premium Individual 30-day trial
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[21]

Recommended accessories and services (not included)



HP 200 Sanitizable Desk Mat
8X596AA



HP 510 Ultra-Fast Rechargeable Wireless Mouse
9C2F6AA



HP 720 Multi-Device Rechargeable Wireless Keyboard
9T5B1AA



3-year pickup and return
UC994E

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Specifications





Performance

Operating system
Windows 11 Home

Processor
Intel® Core™ Ultra 5 226V (up to 4.5 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 8 cores, 8 threads)[6,7]
Processor family: Intel® Core™ Ultra 5 processor
Neural Processing Unit (NPU): Intel® AI Boost (40 NPU TOPS)

Memory
16 GB LPDDR5x-8533 MT/s (onboard)
Transfer rates up to 8533 MT/s.

Storage
1 TB PCIe® Gen4 NVMe™ M.2 SSD
100 GB Dropbox storage for 3 months[1]

Graphics
Integrated: Intel® Arc™ Graphics;

Audio
Dual 5 W speakers; DTS:X® Ultra; Poly Studio

Display
80.01 cm (31.5") diagonal, 4K UHD (3840 x 2160), IPS, three-sided micro-edge, anti-glare, 550 nits, 95% DCI-P3

Screen-to-body ratio
93.88%[5]

Power
280 W 80 Plus Platinum certified power supply;

Connectivity

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

Wireless connectivity
Intel® Wi-Fi 7 BE201 (2x2) and Bluetooth® 5.4 wireless card [12,46]

Ports
Side:
1 USB Type-C® 10Gbps signaling rate; 2 USB Type-A 10Gbps signaling rate
Rear:
2 USB Type-A 10Gbps signaling rate; 1 headphone/microphone combo; 1 RJ-45; 1 USB Type-C® 20Gbps signaling rate (DisplayPort™ 1.4 in/out)

Video connectors
1 HDMI-out 1.4; 1 HDMI-in 2.1

Expansion slots
2 M.2 (1 for SSD, 1 for WLAN)

Webcam
5MP IR camera with 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 25% recycled metal; At least 45% post-consumer recycled plastic[40,41]

Design

Product color
Meteor silver
Water base paint

Software

HP apps
HP Connection Optimizer; HP Support Assistant; OMEN Gaming Hub; HP Enhanced Lighting; HP AI Companion

Software
Copilot in Windows with Copilot key; Poly Camera Pro;
1 month trial for new Microsoft 365 customers[24]

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: BE9C8EA #ABU
UPC/EAN code: 198990986500

Weight
9.56 kg;
Packed: 16.6 kg

Dimensions
71.48 x 20 x 56.55 cm (Height adjustable stand Max); 71.48 x 20 x 46.55 cm (Height adjustable stand Min);
Packed: 82.5 x 16.3 x 58 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 710 USB Meteor Silver Keyboard and Mouse Combo

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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. 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, and other factors.
[2] Graphics output may be limited based on the maximum resolution of the display. 4K content required to view full 4K images.
[3] HD (High Definition) content required to view HD images.
[4] Copilot in Windows 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
[5] Camera resolution refers to the image sensor active pixels. The actual image capture pixels depend on the app and/or aspect ratio selected.
[6] 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.
[7] 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.
[8] See www.epeat.net for registration status and tier levels by country.
[9] 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.
[10] 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. 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, and other factors.
[11] 4K content required to view full 4K images.
[12] The flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights.
[13] 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.
[14] EPEAT® Gold with Climate+ registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.
[15] ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.
[16] 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.
[17] For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of system disk is reserved for system recovery software.
[18] Actual throughput may vary.
[19] 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. 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. Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license.
[20] Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included.
[21] 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.

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 bezel area including speaker.
[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.
[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.
[45] The Flicker-free capability is eliminating screen flickering through integrating DC-dimming LED backlights.
[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.

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