Datasheet

HP OmniStudio X All-in-One 27-cs0004na PC

Conquer the most demanding tasks with your ultimate ally.

Take on demanding tasks with lightning speed with the HP OmniStudio X 27 inch All-in-One Desktop PC featuring built-in AI technology and a powerful Intel® Core™ Ultra Processor[1]. Enjoy immersive visuals, cinema-quality audio and AI-powered comfort and wellness features that help you take on the day your way.

*Product image may differ from actual product

Works with you, for you, for more productivity

With the Intel® Core™ Ultra Processor[1], ultrafast connectivity, and HDMI-out port to connect a second monitor.

Ultimate entertainment and genuine connections

Go from work to play seamlessly with a 5MP camera[2] with Windows Studio Effects and vibrant, immersive display.

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[3] and recycled plastic[4]. EPEAT® Gold with Climate+[5] 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]

Intel® Core™ Ultra 5
Experience the premium power and responsiveness to get more done. Create, edit, and share content with ease and enjoy immersive, HD entertainment experiences.[7]

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.[8]

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.[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]

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.[11]

Desktop Partition in HP Display Control
Easily drag and drop windows to move, re-size and customize how they appear on your desktop.

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

USB Type-A 10Gbps signaling data rate
Plug in your external storage with this USB Type-A port, featuring 10Gbps signaling data rate.[12]

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.

Dual channel memory
With dual channel technology, two channels work simultaneously to double the communication speed between the memory controller and the RAM increasing system performance.

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.[13]

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.

Recommended accessories and services (not included)

3-year pickup and return
UC994E

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Specifications

Performance

Operating system
Windows 11 Home

Processor
Intel® Core™ Ultra 5 125H (up to 4.5 GHz with Intel® Turbo Boost Technology, 18 MB L3 cache, 14 cores, 18 threads)[6,7]
Processor family: Intel® Core™ Ultra 5 processor
Neural Processing Unit (NPU): Intel® AI Boost (11 NPU TOPS)

Memory
16 GB DDR5-5600 MT/s (2 x 8 GB)
Transfer rates up to 5600 MT/s.
Memory slots: 2 SODIMM

Storage
1 TB PCIe® NVMe™ M.2 SSD
25 GB Dropbox storage for 12 months[1]

Graphics
Integrated: Intel® Arc™ Graphics;

Audio
Dual 5 W speakers; Poly Studio

Display
68.6 cm (27") diagonal, 4K UHD (3840 x 2160), IPS, three-sided micro-edge, anti-glare, 350 nits, 99% sRGB[15,21,28]

Screen-to-body ratio
92.95%[5]

Power
180 W AC power adapter;

Connectivity

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

Wireless connectivity
Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, non-vPro® [12]

Ports
Side:
1 USB Type-C® 10Gbps signaling rate; 2 USB Type-A 10Gbps signaling rate
Rear:
1 USB Type-C® 20Gbps signaling rate; 2 USB Type-A 10Gbps signaling rate; 1 headphone/microphone combo; 1 RJ-45

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
35% post-consumer recycled plastic; 30% recycled metal[40]

Design

Product color
Meteor silver

Software

HP apps
HP Audio Switch; HP Connection Optimizer; HP Display Control; HP Support Assistant; HP Enhanced Lighting; myHP

Software
Windows Studio Effects; Otter.ai; Copilot in Windows with Copilot key; 1 month trial for new Microsoft 365 customers[24,49,50]

Service & support
McAfee Online Protection 30-day trial; 1-month Adobe free trial offer [2,25]

Additional information

Part Number
P/N: B0XF3EA #ABU
UPC/EAN code: 198828170163

Weight
8.4 kg;
Packed: 14.7 kg

Dimensions
61.41 x 20 x 53.71 cm (Height adjustable stand Max); 61.41 x 20 x 43.71 cm (Height adjustable stand Min);
Packed: 76 x 16.3 x 48 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.
[2] Camera resolution refers to the image sensor active pixels. The actual image capture pixels depend on the app and/or aspect ratio selected.
[3] 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.
[4] 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.
[5] See www.epeat.net for registration status and tier levels by country.
[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] Intel and Core are trademarks of Intel Corporation in the U.S. and other countries.
[8] 4K content required to view full 4K images.
[9] The flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights.
[10] ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.
[11] 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.
[12] Actual throughput may vary.
[13] 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 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 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.
[21] TUV Low Blue Light is the Display Compliance Test Specification quality. See https://www.certipedia.com/?locale=en#search for more details.
[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.
[28] Eyesafe® Display for Low Blue Light is the Display Compliance Test Specification quality. See https://eyesafe.com for more details.
[40] 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; 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.
[45] The Flicker-free capability is eliminating screen flickering through integrating DC-dimming LED backlights.
[50] Copilot in Excel requires AutoSave to be enabled, meaning the file must be saved to OneDrive; it doesn't function with unsaved files. Copilot features in Outlook apply to accounts with @outlook.com, @hotmail.com, @live.com, or @msn.com email addresses and are available in Outlook.com, Outlook built into Windows, Outlook on Mac, and iOS and Android apps. AI features only available to Microsoft 365 Family subscription owner and cannot be shared; usage limits apply. Learn more Learn more Understanding AI credits - Microsoft Support . Microsoft Copilot features in Microsoft 365 are not available in China or Macao SAR.

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