

HP OmniStudio All-in-One Desktop Next Gen AI 27-cw0001na PC

Next-gen performance for everyday tasks

Navigate your day with the HP OmniStudio 27-inch All-in-One Desktop, powered by AMD Ryzen™ AI¹. Multitask smoothly, enjoy an expansive HD display that brings work and entertainment to life, and stay connected with adaptive audio and AI wellness features designed for comfort and focus.



*Product image may differ from actual product



Master the art of multitasking

Boost productivity with AMD Ryzen AI™ processors¹, ultrafast Wi-Fi², and Copilot³ tools.



Stunning visuals. Big screen. Bigger comfort.

Stay productive with a 27" HD display, ergonomic stand, and smart design for busy days.



Be seen, heard, and fully present

Stay connected with ultrafast Wi-Fi², FHD camera⁴, and dual speakers for crisp calls and streaming.

Sustainability in action

Built with our shared future in mind

Designed with recycled plastic⁵, metal⁶, and textiles⁷, this desktop is EPEAT® Gold with Climate+⁸ and ENERGY STAR^{®9}.



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.¹⁰

AMD Ryzen™ AI 400 Series processors

Unlock powerful AI-driven experiences with Copilot+ PCs powered by AMD Ryzen™ AI 400 Series processors, designed to enhance creativity, simplify and streamline your day, and give you valuable time back to do more.¹¹

Integrated AMD Radeon™ 800M graphics

AMD Radeon™ 800M graphics are built in for thrilling gaming performance, high resolution display support and hardware accelerated encoding with or without a discrete graphics card.

Anti-glare panel

Enjoy the sun and your favorite content with this anti-glare panel. Non-reflective and low gloss means you'll get less glare while you're outside.

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.

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.¹²

HP True Vision FHD IR camera

Log in safely through Windows Hello with the infrared sensor. With an 88-degree, wide-angle field of view, you can video chat with your entire family or group of friends in stunning detail.¹³

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.¹⁴

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® 6.0.¹⁵

PCIe NVMe™ M.2 SSD storage

Boot up in seconds with lightning fast speed with up to 1 TB PCIe NVMe™ M.2 SSD storage.

Dual speakers

Pump up the volume to your favorite music, movie or game with dual-stereo speakers.

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.

Recommended accessories and services (not included)



HP Travel USB-C Multi Port Hub
1C1Y5AA



HP 200 Sanitizable Desk Mat
8X596AA



HP Tilt Ergonomic Mouse 720M
BH0Z4AA



3-year pickup and return
UC994E

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Specifications



Performance

Operating system

Windows 11 Home

Processor

AMD Ryzen™ AI 7 445 (up to 4.6 GHz max boost clock, 8 MB L3 cache, 6 cores, 12 threads)^{6,7}

Processor family: AMD Ryzen™ AI 7 processor

Neural Processing Unit (NPU): AMD Ryzen™ AI (50 NPU TOPS)

Chipset

AMD integrated SoC

Memory

16 GB DDR5-5600 MT/s (2 x 8 GB)

Transfer rates up to 5600 MT/s.

Memory slots: 2 SODIMM

Storage

1TB PCIe® NVMe™ M.2 SSD

100 GB Dropbox storage for 3 months¹

Graphics

Integrated: AMD Radeon™ 840M Graphics;

Audio

Dual 3 W speakers

Display

68.6 cm (27") diagonal, FHD (1920 x 1080), 120 Hz, UWVA, IPS, anti-glare, Low Blue Light, 350 nits, 100% sRGB¹⁵

Screen-to-body ratio

94%⁵

Power

90 W Smart AC power adapter;

Connectivity

Network interface

Realtek RTL8111HSH-CG GbE NIC

Wireless connectivity

Realtek Wi-Fi 7 (2x2) and Bluetooth® 6.0 wireless card

Ports

Rear:

2 USB Type-C® 10Gbps signaling rate; 1 USB Type-A 10Gbps signaling rate; 2 USB 2.0 Type-A; 1 headphone/microphone combo; 1 RJ-45

Video connectors

1 HDMI-out 2.0b

Expansion slots

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

Webcam

HP 1080p FHD 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

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

Design

Product color

Cotton white

Textured finish

Software

HP apps

HP Connection Optimizer; HP Support Assistant; OMEN Gaming Hub

Software

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: D2RS1EA #ABU

UPC/EAN code: 199896364188

Weight

6.10 kg (height adjustable stand);

Packed: 11.96 kg

Dimensions

61.24 x 18.48 x 42.62 cm (FHD height adjustable stand min); 61.24 x 18.48 x 52.52 cm (FHD height adjustable stand max);

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 275C USB Cashmere White 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. AMD's numbering is not a measurement of clock speed. Max Boost clock frequency performance varies depending on hardware, software and overall system configuration. 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.

² Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other Wi-Fi 6 devices. Only available in countries where 802.11ax is supported. Wi-Fi 6 (802.11ax) is not supported in Ukraine, Russia, and Indonesia where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac).

³ 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>.

⁴ Camera resolution refers to the image sensor active pixels. Actual image capture pixels and aspect ratio depend on the app selected.

⁵ Recycled plastic is expressed as a percentage of the total weight of plastic. Post-consumer recycled based on EPEAT standard, IEEE 1680.1-2018.

⁶ Laptops manufactured with recycled metal in product cover. Percentage varies by product.

⁷ FibreCore textile waste is included in rear chassis only, available on 2 of 3 colors, not Jet Black.

⁸ 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.

⁹ ENERGY STAR® and the ENERGY STAR® logo are registered trademarks of the U.S. Environmental Protection Agency.

¹⁰ 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>.

¹¹ 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.

¹² ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.

¹³ Features may require software or other 3rd party applications to provide the described functionality.

¹⁴ Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum.

¹⁵ 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.

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. AMD's numbering is not a measurement of clock speed.

⁷ Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.

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 of the metal according to ISO 14021 definitions for metal parts over 25 grams.

⁴¹ 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.

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.

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