

HP All-in-One 24-cb1456nh PC

Work hard. Enjoy hard.

The HP All-in-One blends the power of a desktop with the beauty of a modern display. Powered by an Intel® processor¹, bring the cinema to you with a three-sided micro-edge, Full HD² display and dual speakers. This AiO design includes sustainable materials³ and is designed to keep your space clutter-free with thoughtfully placed ports.



*Product image may differ from actual product



Fast performing with ample storage

Get things done easy and fast with the performance of an Intel® processor¹, and ample storage space.



Immersive Full HD entertainment

Enhance your viewing experience with FHD² crystal-clear images from any angle on a 3-sided micro-edge display.



Made with the planet in mind

Our AiO design includes sustainable materials like ocean-bound plastic³ and post-consumer recycled plastic⁴.



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Featuring

A dynamic processor that adapts to you for superior multi-tasking performance

12th Gen Intel® Core™ processors distributes performance where you need it the most – saving you time and increasing your ability to do the things you actually want.⁵

Intel® UHD Graphics

Smoothly stream 4K content and play your favorite games in 720p, without the need for a dedicated graphics card. With excellent Intel® UHD graphics performance, you'll see the difference in everything you do.⁶

Built to last

Life can be unpredictable, but your HP desktop shouldn't be. Backed by over 230 individual tests, our desktops go through it all to deliver durability you can trust and reliability you can count on.⁷

Full HD display

Sit back and enjoy crystal-clear visuals and images with the vibrant quality of 2 million pixels. The 1920 x 1080 resolution gives all your digital content a new dimension.²

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.

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.⁸

Sustainable design

Because little things make a big difference, this product includes sustainable materials like ocean-bound plastic and post-consumer recycled plastic in the design.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

EPEAT® Gold registered

EPEAT® Gold registered products are the highest-rated products that meet all of EPEAT required criteria. EPEAT is the world's premier ecolabel for electronics.¹¹

PCIe SSD storage

Boot up in seconds with lightning fast speed with up to 256 GB PCIe SSD storage.

DDR4 RAM

Designed to run more efficiently and more reliably at faster speeds, DDR4 is the future of RAM. With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.

HP True Vision HD Privacy Camera

Video chat in vibrant clarity with Full HD resolution, even in low light with a pop-up camera you can tuck safely out of sight when not in use, keeping you safe online.

Dual array microphone

With two microphones and advanced noise reduction software, you'll always sound crystal clear when you video chat or record.¹²

Dual speakers

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

USB Type-A 5Gbps signaling data rate

Plug in your external storage with this USB Type-A port, featuring 5Gbps signaling data rate.¹³

Ethernet port

When you have a spotty wireless connection, you can quickly plug in your Ethernet cable to get a smooth, wired Internet experience that bypasses any wireless issue.

Adjust your view

Adjust the screen to your personal preference with a 5-degree forward or 20-degree backward tilt.

Recommended accessories and services (not included)



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Specifications



Performance

Operating system
FreeDOS

Processor
Intel® Core™ i3-1215U (up to 4.4 GHz with Intel® Turbo Boost Technology, 10 MB L3 cache, 6 cores, 8 threads)^{6,7}
Processor family: 12th Generation Intel® Core™ i3 processor

Memory
4 GB DDR4-3200 MHz RAM (1 x 4 GB)
Transfer rates up to 3200 MT/s.
Memory slots: 2 SODIMM

Storage
256 GB PCIe® NVMe™ M.2 SSD

Graphics
Integrated: Intel® UHD Graphics;

Audio
Dual 2 W speakers

Display
60.5 cm (23.8") diagonal, FHD (1920 x 1080), VA, three-sided micro-edge, anti-glare, 250 nits, 72% NTSC^{15,21}

Screen-to-body ratio
97.5%⁴
84.3%⁵

Power
65 W Smart AC power adapter;

Connectivity

Network interface
Integrated 10/100/1000 GbE LAN

Wireless connectivity
Realtek RTL8822CE 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 wireless card ¹⁰
MU-MIMO supported

Ports
Side:
1 USB Type-A 5Gbps signaling rate (Battery Charging 1.2); 1 headphone/microphone combo
Rear:
1 USB Type-A 5Gbps signaling rate; 2 USB 2.0 Type-A; 1 RJ-45

Video connectors
1 HDMI-out 1.4

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

Webcam
HP True Vision 720p HD privacy camera with integrated dual array digital microphones

Sustainability

Sustainable impact specifications
15% post-consumer recycled plastic; Ocean-bound plastic^{39,40}

Design

Product color
Starry white
Speckle design with weave pattern

Additional information

Part Number
P/N: A9VB3EA #BH5
UPC/EAN code: 198415985255

Weight
5.37 kg;
Packed: 8.8 kg

Dimensions
54.06 x 18.37 x 41.9 cm;
Packed: 64.1 x 27.7 x 52.5 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 225 White Wired Keyboard and mouse combo

Features
Tilt: -5° forward to 20° back; Wire stand

Security management
Kensington MicroSaver lock slot



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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 Full high-definition (FHD) content is required to view FHD images.

³ PCs manufactured with recycled ocean-bound plastic material in product speaker enclosures. Percentage of ocean-bound plastic contained in each component varies by product.

⁴ Percentage of post-consumer recycled plastic contained in keycap varies by product.

⁵ 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.

⁶ High-definition (HD) content required to view HD images. Graphics output may be limited based on the maximum resolution of the display. 4K content required to view full 4K images.

⁷ HP Total Test Process testing is not a guarantee of future performance under these test conditions. Damage under the HP Total Test Process test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

⁸ The flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights.

⁹ Percentage of ocean-bound plastic and post-consumer recycled plastic varies by product. Recycled plastic content percentage is based on the definition set in the IEEE 16801-2018 standard.

¹⁰ ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.

¹¹ EPEAT® Silver registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.

¹² Internet access required and not included.

¹³ Actual throughput may vary.

Technical Specifications Footnotes

⁴ Percent of active and nonactive viewing area to bezel area excluding speaker.

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⁷ Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

¹⁰ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 5 (802.11ac) is backwards compatible with prior Wi-Fi 5 specs.

¹⁵ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

²¹ TÜV Low Blue Light is the Display Compliance Test Specification quality. See <https://www.certipedia.com/?locale=en#search> for more details.

³⁹ Percentage of ocean-bound plastic contained in each component varies by product.

⁴⁰ Percentage of post-consumer recycled plastic varies by product. Recycled plastic content percentage is based on the definition set in the IEEE 16801-2018 standard.

⁴⁵ The Flicker-free capability is eliminating screen flickering through integrating DC-dimming LED backlights.

