

# HP 23.8 inch All-in-One 24-cr0321nh PC

## Consciously designed thinking about the planet

This slim, HP 23.8" All-in-One Desktop PC empowers you to do more while using less. Responsibly manufactured using post-consumer recycled and ocean-bound plastics<sup>1</sup> and is EPEAT® Gold Registered and ENERGY STAR® Certified<sup>2</sup>. With a powerful processor, upgraded memory and enhanced multitasking features, there's no compromise for heightened performance.



\*Product image may differ from actual product



**Designed to reduce environmental impact**

World's first PC with recycled coffee grounds<sup>3</sup>, and contains post-consumer recycled and ocean-bound plastics<sup>1</sup>.



**Built to keep you connected to your crew**

Made for true collaboration with a tiltable, pop-up privacy camera<sup>4</sup>, dual mics, and advanced noise-reduction.



**Ready to take on the day, every day**

Face the day with a dependable Intel® Processor<sup>5</sup>, ample storage, fast connections, and plenty of memory.

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## Featuring

**Extend beyond performance to let your PC do even more at once**

Offering more than just a performance score. 13th Gen Intel® Core™ Processors advance real-world computing and deliver more ultra-efficient multi-tasking.<sup>5</sup>

**Intel® Iris® X<sup>e</sup> graphics**

Impressive performance for creating, gaming, and entertainment. A new level of graphics performance and crisp, stunning visuals – with the convenience of a thin & light laptop.<sup>6</sup>

**FHD IPS touchscreen**

Always see your content at its best with 178° wide-viewing angles and a vibrant picture. And with touchscreen technology, you can control your PC right from the screen.<sup>7</sup>

**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.<sup>8</sup>

**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.<sup>9</sup>

**Unlock the value of your HP purchase**

myHP provides a simple setup and registration and helps you to customize, optimize, and secure your device with tips and tricks and easy-to-access settings.

**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.<sup>10</sup>

**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 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.

**HP True Vision HD Camera**

Video chat in vibrant clarity, even in low light and make every conversation a face-to-face experience for a better way to stay in touch.<sup>4</sup>

**Effortlessly connected**

Enjoy faster speeds, improved performance and greater capacity with Wi-Fi 6 and Bluetooth® 5.3 wireless card.<sup>11</sup>

**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.<sup>12</sup>

**Full-sized keyboard**

The full-sized keyboard allows you to work anywhere, with 1.5mm key travel for typing comfort and total productivity.

## Recommended accessories and services (not included)



HP Travel USB-C Multi Port Hub  
1C1Y5AA



HP 430 Multi-Device Wireless Mouse  
3B4Q2AA



HP Stereo 3.5mm Headset G2  
428H6AA



3-year return to depot  
U4810E



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## Specifications



## Performance

### Operating system

FreeDOS

### Processor

Intel® Core™ i7-1355U (up to 5.0 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads)<sup>6,7</sup>

Processor family: 13th Generation Intel® Core™ i7 processor

### Memory

16 GB DDR4-3200 MT/s (2 x 8 GB)

Transfer rates up to 3200 MT/s.

Memory slots: 2 SODIMM

### Storage

1 TB PCIe® NVMe™ M.2 SSD

### Graphics

Integrated: Intel® Iris® X<sup>e</sup> Graphics;

Intel® Iris® X<sup>e</sup> Graphics capabilities require system to be configured with Intel® Core™ i5 or i7 processors and dual channel memory. Intel® Iris® X<sup>e</sup> Graphics with Intel® Core™ i5 or i7 processors and single channel memory will only function as Intel® UHD Graphics.

### Audio

Dual 2 W speakers

### Display

60.5 cm (23.8") diagonal, FHD (1920 x 1080), touch, IPS, three-sided micro-edge, anti-glare, 300 nits, 99% sRGB<sup>15,21</sup>

### Screen-to-body ratio

98.16%<sup>4</sup>

89.39%<sup>5</sup>

### Power

90 W Smart AC power adapter;

### System coolers

## Connectivity

### Network interface

Integrated 10/100/1000 GbE LAN

### Wireless connectivity

Realtek Wi-Fi 6 (1x1) and Bluetooth® 5.3 wireless card <sup>13,16</sup>

### Ports

Rear:

1 USB Type-C® 5Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate;

2 USB 2.0 Type-A; 1 headphone/microphone combo; 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 tilt privacy camera with temporal noise reduction and integrated dual array digital microphones

## Sustainability

### Sustainable impact specifications

40% post-consumer recycled plastic; Ocean-bound plastic; 10% recycled metal<sup>39,40,41</sup>

## Design

### Product color

Shell white

Textured finish, entry stand

## Software

### HP apps

HP Connection Optimizer; HP Support Assistant; OMEN Gaming Hub; HP Enhanced Lighting; myHP

## Additional information

### Part Number

P/N: BE9B4EA #BH5

UPC/EAN code: 198990986036

### Weight

5.27 kg;

Packed: 9.6 kg

### Dimensions

54.05 x 18.62 x 40.9 cm;

Packed: 64 x 17.5 x 46 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 125 USB White Wired Keyboard

HP 125 USB White Wired Mouse



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## Footnotes

### Messaging Footnotes

- <sup>1</sup> With 40% post-consumer recycled plastic. Percentage of post-consumer recycled plastic, and ocean-bound plastic varies by product.
- <sup>2</sup> Based on U.S. EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information.
- <sup>3</sup> HP internal analysis based on all PCs in the market as of November 2022. Recycled coffee grounds are used as speckles in the finish of the PC.
- <sup>4</sup> Features may require software or other 3rd party applications to provide the described functionality.
- <sup>5</sup> 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.
- <sup>6</sup> Intel and Iris are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries. Intel, the Intel logo and Iris are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.
- <sup>7</sup> Full high-definition (FHD) content is required to view FHD images.
- <sup>8</sup> The flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights.
- <sup>9</sup> 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.
- <sup>10</sup> ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.
- <sup>11</sup> Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. Wi-Fi 6 is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels. Wi-Fi 6 (802.11ax) is not supported in Belarus where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac). Bluetooth® 5.3 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.3 will function as Bluetooth® 5.2 or lower.
- <sup>12</sup> Actual throughput may vary.

### Technical Specifications Footnotes

- <sup>4</sup> Percent of active and nonactive viewing area to bezel area excluding speaker.
- <sup>5</sup> Percent of active and nonactive viewing area to bezel area including speaker.
- <sup>6</sup> 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.
- <sup>7</sup> Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.
- <sup>13</sup> 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.
- <sup>15</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- <sup>16</sup> 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).
- <sup>21</sup> TUV Low Blue Light is the Display Compliance Test Specification quality. See <https://www.certipedia.com/?locale=en#search> for more details.
- <sup>39</sup> Percentage of ocean-bound plastic contained in each component varies by product.
- <sup>40</sup> 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.
- <sup>41</sup> 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.
- <sup>45</sup> The Flicker-free capability is eliminating screen flickering through integrating DC-dimming LED backlights.

