

# HP All-in-One 24-df1224



## Think long term

The HP All-in-One PC blends the power of a desktop with the beauty of a slim, modern display into one dependable device designed to grow with you.

## Product overview

- **Built for tomorrow:** Designed with a panel you can remove in three simple steps, easily upgrade your hardware to ensure you always have the power to get things done.<sup>(57)</sup>
- **We've got your back:** For 80 years, we've had your back. That's why our PCs go through over 230 individual tests to ensure you're getting a powerful, reliable PC that's going to last.<sup>(52)</sup>
- **Thoughtfully designed:** A three-sided micro-edge display lets you see more of your screen with a pop-up privacy camera that tucks safely away when not in-use.

## Key specifications

- **Operating system:** Windows 11 Home<sup>(1)</sup>
- **Processor:** 11th Generation Intel® Core™ i3-1115G4 processor<sup>(2b)</sup>
- **Integrated display:** 10-point touch-enabled 23.8" diagonal display, FHD (1920 x 1080), IPS, three-sided micro-edge, anti-glare, 250 nits, 72% NTSC<sup>(20)(39)</sup>
- **Memory:** 8 GB DDR4-3200 SDRAM memory<sup>(3)</sup> (1 x 8 GB)
- **Internal Storage:** 512 GB PCIe® NVMe™ M.2 Solid State Drive<sup>(15)(58b)</sup>
- **Graphics:** Intel® UHD Graphics<sup>(16)</sup>
- **Mouse and keyboard:** USB white wireless keyboard and mouse combo
- **Camera:** HP Wide Vision 1080p FHD IR privacy camera with integrated dual array digital microphone<sup>(89)</sup>
- **USB ports:** 4 (2 SuperSpeed USB Type-A 5Gbps signaling rate, 2 USB 2.0 Type-A)
- **Connectivity:** HDMI Out
- **Wireless:** 802.11 a/b/g/n/ac (1x1) Wi-Fi® and Bluetooth® combo, MU-MIMO supported<sup>(19a)(26)</sup>
- **Warranty:** 1-year limited hardware warranty

## Product features

- **Get a fresh perspective with Windows 11:** 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.<sup>(1)</sup>
- **11th Gen Intel® Core™ processor:** Brings the perfect combination of features to make you unstoppable. Get things done fast with high performance, instant responsiveness and best-in-class connectivity.
- **Intel® UHD graphics:** Smoothly stream 4K content and play your favorite games.<sup>(10)(12)</sup>
- **Dual front-facing speakers:** Pump up the volume to your favorite music, movie or game. When your audio is directed towards you, nothing comes between you and your entertainment.
- **HP Privacy Camera:** The pop-up camera is only enabled when in use, securing your privacy.
- **HP Wide Vision FHD IR Camera:** Easily log in through Windows Hello and video chat with an 88-degree, wide-angle field of view.<sup>(89)</sup>
- **Dual array microphone:** Be heard clearly with two microphones and advanced noise reduction.<sup>(10)</sup>
- **FHD IPS touchscreen:** Control your entertainment right from the screen and get crystal-clear quality with 178-degree wide-viewing angles.<sup>(39)</sup>

## Additional product features

- **Three-sided micro-edge display:** See more of your screen with a three-sided micro-edge display that maximizes your viewing area.
- **PCIe® NVMe™ SSD storage:** Get up to 15x faster performance than a traditional hard drive.<sup>(58b)</sup>
- **SuperSpeed USB Type-A 5Gbps signaling data rate:** Plug in your external storage with this Superspeed USB Type-A port, featuring 5Gbps signaling data rate.<sup>(43)</sup>
- **HDMI out:** Transmit digital HD video and sound to an external display.
- **Wi-Fi 5 (1x1) & Bluetooth® (802.11 a/b/g/n/ac):** Stay connected to Wi-Fi and to Bluetooth® accessories with wireless technology.<sup>(19a)(26)</sup>
- **MU-MIMO supported:** Pair with a MU-MIMO router for a smoother online experience in multi-device homes.
- **McAfee LiveSafe™:** Protect your operating system with a free 30-day McAfee LiveSafe™ trial.<sup>(8)</sup>

## Environmentally conscious

HP is committed to sustainability. When you use your HP All-in-One you do the environment and your pocket a favor.

- Low Halogen<sup>(61)</sup>
- Mercury-free display backlights
- Arsenic-free display glass

## Warranty and support

Our Customer Support Team consistently provides quick, responsive assistance in the U.S., Canada and Latin America.

### Included with your product:

- **HP's Hardware Limited Warranty:** Full warranty details are included with your product.
- **Technical Support:** Complimentary limited technical support including initial setup support, is available from HP via multiple contact methods for 90 (ninety) days from date of purchase.

### Support Options:

- **HP Support Assistant - HPSA:** Optimized to enhance your support experience. Help for your PC and HP printers whenever you need it.<sup>(56)</sup>
- **Online Support:** For technical support with this product, visit HP Customer Support <http://support.hp.com>.<sup>(10)</sup>
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Community at [community.hp.com](http://community.hp.com), on Twitter at [twitter.com/HPSupport](http://twitter.com/HPSupport), and Facebook at [facebook.com/HPSupport](http://facebook.com/HPSupport).<sup>(10)</sup>



## Specifications

<b>Operating system</b>	• <b>Windows 11 Home<sup>(1)</sup></b>
<b>Processor</b>	• 11th Generation Intel® Core™ i3-1115G4 processor <sup>(2b)</sup> • Dual-Core
<b>Processor speed</b>	• Up to 4.1 GHz with Intel® Turbo Boost Technology <sup>(2g)</sup>
<b>Cache</b>	• 6 MB Cache
<b>Memory</b>	• 8 GB DDR4-3200 SDRAM memory <sup>(3)</sup> (1 x 8 GB) (expandable to 32 GB)
<b>Internal storage</b>	• 512 GB PCIe® NVMe™ M.2 Solid State Drive <sup>(15)(58b)</sup>
<b>Finish</b>	• HP finish in snow white
<b>Video graphics</b>	• Intel® UHD Graphics <sup>(16)</sup>
<b>Network interface</b>	• 10/100/1000 Base-T Network <sup>(29)</sup>
<b>Wireless connectivity</b>	• 802.11a/b/g/n/ac (1x1) Wi-Fi® and Bluetooth® combo, MU-MIMO supported <sup>(19a)(26)</sup>
<b>Sound</b>	• HP Audio
<b>Memory slots</b>	• 2 DIMM (SO-DIMM) (one available)
<b>Expansion slots</b>	• 2 M.2 (occupied)
<b>Memory card reader</b>	• HP 3-in-1 Media Card Reader—Supports SD, SDHC, SDXC
<b>External ports</b>	• Headphone/Microphone Combo • Rear: 2 SuperSpeed USB Type-A 5Gbps signaling rate, 2 USB 2.0 Type-A, HDMI Out
<b>Total USB ports</b>	• 4 (2 SuperSpeed USB Type-A 5Gbps signaling rate, 2 USB 2.0 Type-A)
<b>Mouse and keyboard</b>	• USB white wireless keyboard and mouse combo
<b>Camera</b>	• HP Wide Vision 1080p FHD IR privacy camera with integrated dual array digital microphone <sup>(89)</sup>
<b>Microphone</b>	• Dual array digital microphone
<b>Integrated display</b>	• 10-point touch-enabled 23.8" diagonal display, FHD (1920 x 1080), IPS, three-sided micro-edge, anti-glare, 250 nits, 72% NTSC <sup>(20)(39)</sup>
<b>Tilt/stand design</b>	• <b>Tilt Angle:</b> -5° to 20° • <b>Stand Type:</b> Wire stand
<b>Power supply</b>	• 65 W Smart AC power adapter
<b>Dimensions</b>	• <b>Unpackaged:</b> 21.29 in (L) x 8.05 in (W) x 16.12 in (H) approx. • <b>Packaged:</b> 19.57 in (L) x 9.25 in (W) x 25.83 in (H) approx.
<b>Weight</b>	• <b>Unpackaged:</b> 12.90 lb approx. <sup>(76)</sup> • <b>Packaged:</b> 19.90 lb approx.

Learn more at [hp.com](https://hp.com)

<b>Warranty and support</b>	<ul style="list-style-type: none"> <li>• 1-year limited hardware warranty. Additional information available at <a href="https://www.support.hp.com">www.support.hp.com</a></li> <li>• 90 days limited technical support for software and initial setup (from date of purchase)<sup>(53)</sup></li> </ul>
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## Software

<b>HP help and support</b>	<ul style="list-style-type: none"> <li>• <b>HP BIOS Protection:</b> Get peace of mind knowing your PC BIOS is protected. HP BIOS Protection automatically checks its health and recovers itself.<sup>(23)</sup></li> <li>• <b>myHP:</b> myHP provides a simple setup and registration experience that welcomes you to your new HP PC. Customize, optimize, and secure your device with tips and tricks and easy-to-access settings, and receive helpful messages and information to keep things running smoothly.</li> <li>• <b>HP Support Assistant:</b> Help with your HP PC and printers whenever you need it.<sup>(56)</sup></li> </ul>
<b>Productivity and tools</b>	<ul style="list-style-type: none"> <li>• <b>HP Audio Switch:</b> Easily switch between speaker and microphone sources with intuitive controls and a consistent app experience.</li> <li>• <b>Dropbox cloud storage:</b> Store and synchronize your content online with Dropbox. Get 25GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access.<sup>(10)(22)</sup></li> <li>• <b>HP Connection Optimizer:</b> Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points.<sup>(10)</sup></li> </ul>
<b>Security and protection</b>	<ul style="list-style-type: none"> <li>• <b>McAfee LiveSafe™:</b> Protect your operating system with a free 30-day McAfee LiveSafe™ trial.<sup>(8)</sup></li> </ul>

## Additional information

<b>Product number</b>	• 1J7P6AA#ABA
<b>Ad embargo date</b>	• 10/05/2021
<b>UPC code</b>	• 196068544461
<b>Country of origin</b>	• China • Taiwan
<b>Pallet information</b>	<ul style="list-style-type: none"> <li>• <b>Dimensions:</b> 47.24 in (L/D) x 39.37 in (W) x 82.80 in (H) approx.</li> <li>• <b>Total weight:</b> 621.44 lb approx.</li> <li>• <b>Layers:</b> 3</li> <li>• <b>Products per layer:</b> 10</li> <li>• <b>Total products per pallet:</b> 30</li> </ul>

<sup>(1)</sup> 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](https://www.windows.com). <sup>(2b)</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. Intel, Pentium, Intel Core, Celeron, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries. <sup>(2g)</sup> Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See [intel.com/technology/turboboost](https://intel.com/technology/turboboost) for more information. GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance. <sup>(3)</sup> Up to 512MB of main system memory may be allocated to support video graphics. <sup>(8)</sup> Internet access required and not included. Subscription required after 30 days trial period. McAfee, LiveSafe and the McAfee logo are trademarks or registered trademarks of McAfee, Inc. in the United States and other countries. <sup>(10)</sup> Internet service required and not included. <sup>(12)</sup> Graphics output may be limited based on the maximum resolution of the display. <sup>(15)</sup> Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. <sup>(16)</sup> Part of the total system memory (RAM) is used for graphics/video performance. System memory dedicated to graphics/video performance is not available for other use by other programs. <sup>(19a)</sup> 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. <sup>(20)</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. <sup>(22)</sup> New Dropbox users are eligible to get 25 GB of Dropbox space free for 12 months from date of registration. For complete details and terms of use, including cancellation policies, visit the Dropbox website at [dropbox.com](https://dropbox.com). <sup>(23)</sup> Detects BIOS damage and recovers last settings. <sup>(24)</sup> Bluetooth® is a trademark owned by its proprietor and used by Hewlett-Packard Company under license. <sup>(29)</sup> Actual speeds may vary. <sup>(39)</sup> Full High Definition (FHD) content is required to view FHD images. <sup>(43)</sup> Actual throughput may vary. <sup>(52)</sup> 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. <sup>(53)</sup> Call 1.800.474.6836 or [support.hp.com](https://support.hp.com) for more information on Care Packs available after standard warranty expires. After standard warranty expires, an incident fee may apply. <sup>(56)</sup> For more information visit [hp.com/go/hpsupportassistant](https://hp.com/go/hpsupportassistant). (Link will vary outside of the U.S.) HP Support Assistant is only available on Windows-based PCs. Internet connection required for updating and connecting to HP Support. <sup>(57)</sup> This device has been engineered for optimal performance. Upgrading PC may affect warranty coverage. <sup>(58b)</sup> Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD. <sup>(61)</sup> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. <sup>(76)</sup> Weight and system dimensions may fluctuate due to configuration and manufacturing variances. <sup>(89)</sup> Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. Actual product may vary from image shown on datasheet. © Copyright 2021 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing shall be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. 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