

# HP 21.45 inch All-in-One Desktop PC 22-dg0023w



## The central hub for the home

Effortlessly manage everyone's needs with the versatile HP 21.45 inch All-in-One Desktop PC—a reliable companion and central hub for the home.

### Product overview

- **Power the modern family:** From homework to checking off every task on your list, the HP 21.45 inch All-in-One Desktop PC helps you keep your busy household on top of it all. With reliable and responsive processing power, multiple USB ports so you can accomplish all your multi-tasking, and plenty of storage for the whole family's photos and videos, this PC accommodates all that your family needs to get done.
- **Be seen, be heard:** Be seen and heard on your own terms with the enhanced video features of the HP 21.45 inch All-in-One Desktop PC. With AI-noise reduction the focus will be on your voice instead of everything else going on around you. And for the moments you want to keep private or protect you from prying eyes, the manual camera shutter has got you covered.
- **An immersive experience awaits:** Take a break or kick back after a busy day and immerse yourself into a wide screen and vibrant visuals with an FHD display<sup>(39)</sup> and large screen-to-body ratio. With a fanless design and speakers tuned by DTS Audio, you can indulge in ultra-realistic audio with amazing clarity.
- **Designed with the planet in mind:** HP is on a mission to drive progress toward a more sustainable future. Thoughtfully designed for your modern family; EPEAT® Gold Registered<sup>(27)</sup> and ENERGY STAR® Certified.<sup>(62)</sup> Plus, it's designed with ocean-bound plastic, up to 30% post-consumer recycled plastic, and up to 25% recycled metal.

### Key specifications

- **Operating system:** Windows 11 Home in S Mode<sup>(1a)</sup>
- **Processor:** Intel® processor N200<sup>(2a)</sup>
- **Integrated display:** 21.45" (54.48 cm) diagonal, FHD (1920 x 1080), VA, anti-glare, 250 nits, 99% sRGB, Non-touch screen<sup>(20)(39)</sup>
- **Memory:** 8 GB DDR5-4800 MHz RAM memory<sup>(3)</sup> (1 x 8 GB)
- **Internal Storage:** 128 GB UFS
- **Graphics:** Intel® UHD Graphics<sup>(16)</sup>
- **Mouse and keyboard:** HP cashmere white wireless keyboard and mouse combo
- **Camera:** HP True Vision 720p HD privacy camera with temporal noise reduction and integrated dual array digital microphones<sup>(89)</sup>
- **USB ports:** Rear: 2 USB 2.0 Type-A, 1 USB Type-C® 10Gbps signaling rate<sup>(42)</sup>, 2 USB Type-A 5Gbps signaling rate
- **Connectivity:** HDMI Out
- **Wireless:** Wi-Fi 6 (1x1) and Bluetooth® 5.3 wireless card<sup>(1)(9a)(25)(26)</sup>
- **Warranty:** 1-year limited hardware warranty

### Product features

- **Windows 11 Home in S Mode:** Experience the most secure Windows ever built with fast boot times, increased responsiveness, and added protection against phishing and malware.<sup>(1a)</sup>
- **Microsoft Copilot:** Microsoft Copilot is always on hand to boost your productivity, accelerate your creativity, and help you communicate with maximum clarity. No matter what you set out to do, it can help you do it like a pro.<sup>(41)</sup>
- **Intel® Processor N200:** Get the performance and graphics you need with an Intel® processor at the affordability you want to connect, learn, and play anywhere.
- **Intel® UHD Graphics:** Smoothly stream 4K content and play your favorite games in 720p.<sup>(1)(2)</sup>
- **FHD display:** 2 million pixels for crystal-clear visuals and vibrant image quality.<sup>(39)</sup>
- **Anti-glare panel:** Enjoy your favorite content with this anti-glare panel. Non-reflective and low gloss means you'll get less glare.
- **Flicker-free:** Using DC Dimming technology, we can eliminate screen flickering for more comfortable viewing.<sup>(61)</sup>
- **128 GB UFS:** With Universal Flash Storage you can experience high-performance storage with faster speeds and lower power consumption while on-the-go.

### Additional product features

- **DDR5 RAM:** With higher bandwidth, you get more of a boost in performance.
- **Effortlessly connected:** Enjoy faster speeds, improved performance and greater capacity with Wi-Fi 6 and Bluetooth® 5.3 wireless card.<sup>(1)(9a)(25)(26)</sup>
- **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.<sup>(42)(43)</sup>
- **USB Type-A 5Gbps signaling data rate:** Plug in your external storage with this USB Type-A port, featuring 5Gbps signaling data rate.
- **HP True Vision HD privacy 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>(89)</sup>

### Designed with the planet in mind

HP is dedicated to driving progress toward a more sustainable future and making responsible choices for the environment and our customers. We are innovating new ways to reduce the amount of materials in our products and packaging—and to use more recycled materials in their design. Together we can make a difference.

The HP 21.45 inch All-in-One Desktop PC is built with the future in mind, using environmentally conscious and recycled materials:

- Ocean-bound plastic
- Up to 30% post-consumer recycled plastic
- Up to 25% recycled metal
- Packaged with 100% sustainably sourced FSC certified, plastic-free packaging
- ENERGY STAR® certified<sup>(62)</sup>
- EPEAT® Gold registered<sup>(27)</sup>

### 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](https://twitter.com/HPSupport), and Facebook at [facebook.com/HPSupport](https://facebook.com/HPSupport).<sup>(10)</sup>

#### Extend your coverage:

- **SmartFriend, part of HP Care:** Experts are available 24/7 to handle any tech issue, on any device, from any brand. Visit [www.hp.com/go/smartfriend](http://www.hp.com/go/smartfriend) to learn more or call toll-free 1.844.814.1800 to get started.<sup>(95)</sup>
- **Care Packs, part of HP Care:** Extend protection beyond the standard limited warranty. For more info, visit [www.hp.com/go/carepack-services](http://www.hp.com/go/carepack-services) or call toll-free at 1.877.232.8009.<sup>(83)</sup>



Specifications

|                       |                                                                                                                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating system      | • Windows 11 Home in S mode <sup>(1a)</sup>                                                                                                                                                                                                      |
| Processor             | • Intel® processor N200 <sup>(2b)</sup><br>• Quad-Core                                                                                                                                                                                           |
| Processor speed       | • Up to 3.7 GHz with Intel® Turbo Boost Technology <sup>(2g)</sup>                                                                                                                                                                               |
| Cache                 | • 6 MB Cache                                                                                                                                                                                                                                     |
| Memory                | • 8 GB DDR5-4800 MHz RAM memory <sup>(3)</sup> (1 x 8 GB)<br>(expandable to 16 GB (16GB x 1)) <sup>(3a)</sup>                                                                                                                                    |
| Internal storage      | • 128 GB UFS                                                                                                                                                                                                                                     |
| Finish                | • HP finish in cashmere white                                                                                                                                                                                                                    |
| Video graphics        | • Intel® UHD Graphics <sup>(1f)</sup>                                                                                                                                                                                                            |
| Network interface     | • Integrated 10/100/1000 GbE LAN <sup>(2g)</sup>                                                                                                                                                                                                 |
| Wireless connectivity | • Wi-Fi 6 (1x1) and Bluetooth® 5.3 wireless card <sup>(19e)(25)(26)</sup>                                                                                                                                                                        |
| Sound                 | • Speakers tuned by DTS Audio                                                                                                                                                                                                                    |
| Memory slots          | • 1 DIMM (SO-DIMM) (occupied)                                                                                                                                                                                                                    |
| Expansion slots       | • 2 M.2 (occupied)                                                                                                                                                                                                                               |
| External ports        | • Headphone/Microphone Combo<br>• Rear: 2 USB 2.0 Type-A, 1 USB Type-C® 10Gbps signaling rate <sup>(42)</sup> , 2 USB Type-A 5Gbps signaling rate, 1 RJ-45, HDMI Out                                                                             |
| Mouse and keyboard    | • HP cashmere white wireless keyboard and mouse combo                                                                                                                                                                                            |
| Camera                | • HP True Vision 720p HD privacy camera with temporal noise reduction and integrated dual array digital microphones <sup>(89)</sup>                                                                                                              |
| Microphone            | • Dual array digital microphone                                                                                                                                                                                                                  |
| Integrated display    | • 21.45" (54.48 cm) diagonal, FHD (1920 x 1080), VA, anti-glare, 250 nits, 99% sRGB, Non-touch screen <sup>(20)(39)</sup>                                                                                                                        |
| Screen to body ratio  | • 88% (with speaker area) <sup>(40b)</sup><br>• 98.88% (without speaker area) <sup>(40c)</sup>                                                                                                                                                   |
| Tilt/stand design     | • Tilt Angle: -6° ~21°<br>• Stand Type: Detachable stand                                                                                                                                                                                         |
| Power supply          | • 65 W Smart AC power adapter                                                                                                                                                                                                                    |
| Dimensions            | • Unpackaged: 19.43 in (L) x 6.69 in (W) x 15.07 in (H) approx.<br>• Packaged: 23.54 in (L) x 6.10 in (W) x 15.66 in (H) approx.                                                                                                                 |
| Weight                | • Unpackaged: 9.19 lb approx. <sup>(76)</sup><br>• Packaged: 16.56 lb approx.                                                                                                                                                                    |
| Warranty and support  | • 1-year limited hardware warranty. Additional information available at <a href="http://www.support.hp.com">www.support.hp.com</a><br>• 90 days limited technical support for software and initial setup (from date of purchase) <sup>(53)</sup> |

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

<sup>(1a)</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 11 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>. Windows 11 in S mode works exclusively with apps from the Microsoft Store within Windows. Certain default settings, features, and apps cannot be changed. Some accessories and apps compatible with Windows 11 may not work (including some antivirus, PDF Writers, driver utilities and accessibility apps) and performance may vary, even if you switch out of S mode. If you switch to Windows 11, you can't switch back to S mode. Learn more at [Windows.com/SmodeFAQ](http://Windows.com/SmodeFAQ). <sup>(2a)</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, Iris X®, 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](http://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>(3a)</sup> Based on system capability, actual spec offering may be different. Maximum upgradeability will vary by model. <sup>(8a)</sup> McAfee is preinstalled 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. McAfee 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>(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 6 is backwards compatible with prior 802.11 specs. Only available in countries where Wi-Fi 6 is supported. <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> 100GB of free online storage for one year from date of registration. For complete details and terms of use, including cancellation policies, visit the website at [dropbox.com](http://dropbox.com). Internet service required and not included. <sup>(23)</sup> HP BIOS Protection works with Windows 11 that ships with your PC. <sup>(25)</sup> 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>(26)</sup> Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. <sup>(27)</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>(29)</sup> Actual speeds may vary. <sup>(39)</sup> Full High Definition (FHD) content is required to view FHD images. <sup>(40b)</sup> Percent of active and nonactive viewing area to bezel area including speaker. <sup>(40c)</sup> Percent of active and nonactive viewing area to bezel area excluding speaker. <sup>(41)</sup> 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>. <sup>(42)</sup> USB Type-C® and USB-C® are trademarks of USB Implementers Forum. <sup>(43)</sup> Actual throughput may vary. <sup>(53)</sup> Call 1.800.474.6836 or [support.hp.com](http://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](http://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>(61)</sup> The Flicker-free capability is eliminating screen flickering through integrating DC-dimming LED backlights or LED emissions. OLED panel is functional with DC-DIMMING when above 100nits. <sup>(62)</sup> ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. <sup>(76)</sup> Weight and system dimensions may fluctuate due to configuration and manufacturing variances. <sup>(83)</sup> Service levels and response times for Care Packs may vary depending on your geographic location. Restrictions and limitations apply. Service starts at date of hardware purchase. HP Care Packs are sold separately. For details, visit [hp.com/go/carepack-services](http://hp.com/go/carepack-services). <sup>(89)</sup> Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. <sup>(95)</sup> HP SmartFriend will support any major brand of computer and tablet running Microsoft Windows, OSX, iOS, Android, and Chrome OS. 24x7 support is available in English and in the US & Canada (excluding the Province of Quebec) only. Service availability varies by country/region. Internet connection required for remote support. Remote support not available for tablets. Not all service plans cover support for tablets. HP SmartFriend sold separately or as an add-on feature. Actual product may vary from image shown on datasheet. © Copyright 2024 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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Software and technology

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Help and support        | • <b>HP Support Assistant:</b> Help with your HP PC and printers whenever you need it. <sup>(56)</sup><br>• <b>myHP:</b> 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.                                                                                                                                                                                                                                  |
| Security and protection | • <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>                                                                                                                                                                                                                                                                                                                                                             |
| Partner offers          | • <b>Dropbox cloud storage:</b> Store and synchronize your content online with Dropbox. Get 100GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access. <sup>(10)(22)</sup><br>• <b>McAfee 30-day trial:</b> Secure your privacy and data when browsing on public Wi-Fi with VPN, included in your free McAfee 30-day trial. Switch from Windows 11 Home in S mode to Windows 11 Home to access this trial. <sup>(8a)(10)</sup>                                      |
| Work and lifestyle      | • <b>HP Enhanced Lighting:</b> Easily enhance brightness, color and lighting effects to look your best during video calls with integrated HP Enhanced Lighting app.<br>• <b>AI Noise Removal:</b> Artificial intelligence technology automatically removes background noise for clearer than ever video chats, audio calls, and recordings.<br>• <b>Microsoft Copilot:</b> Microsoft Copilot is always on hand to boost your productivity, accelerate your creativity, and help you communicate with maximum clarity. <sup>(41)</sup> |

Additional information

|                    |                                                                                                                                                                                                                           |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product number     | • B5NP5AA#ABA                                                                                                                                                                                                             |
| Ad embargo date    | • 06/14/2025                                                                                                                                                                                                              |
| UPC code           | • 198990107066                                                                                                                                                                                                            |
| Country of origin  | • China                                                                                                                                                                                                                   |
| Pallet information | • <b>Dimensions:</b> 47.24 in (L/D) x 39.37 in (W) x 83.00 in (H) approx.<br>• <b>Total weight:</b> 1014.00 lb approx.<br>• <b>Layers:</b> 5<br>• <b>Products per layer:</b> 12<br>• <b>Total products per pallet:</b> 60 |

