

HP All-in-One 22-df0023w



More than a tower

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

- **A powerful PC:** Tackle your busiest days and save everything you love with the performance of a reliable processor and abundant storage.
- **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.^(5,2)
- **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 10 Home⁽¹⁾
- **Processor:** AMD Ryzen™ 3 3250U Processor^(2a)
- **Integrated display:** 10-point touch-enabled 21.5" diagonal FHD IPS anti-glare WLED-backlit three-sided micro-edge display, 250 nits, 72% NTSC (1920 x 1080)⁽²⁰⁾⁽³⁹⁾
- **Memory:** 8 GB DDR4-2400 SDRAM memory⁽³⁾ (1 x 8 GB)
- **Internal Storage:** 1 TB 7200RPM SATA hard drive^(4b)
- **Graphics:** AMD Radeon™ Graphics⁽¹⁶⁾
- **Mouse and keyboard:** USB Black Wired keyboard and mouse combo
- **Webcam:** HP Truevision HD privacy camera with integrated dual array digital microphone⁽⁶⁹⁾
- **Optical drive:** DVD-Writer^(6a)
- **USB ports:** 4 (2 SuperSpeed USB Type-A 5Gbps signaling rate, 2 USB 2.0 Type-A)
- **Connectivity:** HDMI Out
- **Wireless:** Realtek Wi-Fi 5 (1x1) and Bluetooth® 4.2 Combo, MU-MIMO supported^{(19a)(26)}
- **Warranty:** 1-year limited hardware warranty

Product features

- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows - only better.⁽¹⁾
- **AMD Ryzen™ 3 3250U Mobile Processor with Radeon™ graphics:** Uplift your performance with AMD Ryzen™ mobile processor. Multitask seamlessly with accelerated power and efficiency, while enjoying stunning visuals.
- **AMD Radeon™ graphics:** Whether it's games or movies, experience high performance for all your entertainment.
- **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 TrueVision HD Camera:** Video chat with vibrant clarity, even in low light.⁽⁶⁹⁾
- **Dual array microphone:** Be heard clearly with two microphones and advanced noise reduction.⁽¹⁰⁾
- **FHD touchscreen:** Intuitive touchscreen technology and the crystal-clear visuals of vibrant FHD.⁽³⁹⁾
- **IPS Panel:** Clear, vivid images with 178-degree wide-viewing angles.
- **Three-sided micro-edge display:** See more of your screen with a three-sided micro-edge display that maximizes your viewing area.
- **Hard drive storage:** Grow your digital collections and still have room left over.
- **DDR4 RAM:** With higher bandwidth, you get more of a boost in performance for improved multi-tasking.

Additional product features

- **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.⁽⁴³⁾
- **HDMI out:** Transmit digital HD video and sound to an external display.
- **Wi-Fi 5 (1x1) & Bluetooth® 4.2:** Stay connected to Wi-Fi and to Bluetooth® accessories with wireless technology.^{(19a)(26)}
- **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.⁽⁶⁾

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⁽⁶¹⁾
- 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.⁽⁵⁶⁾
- **Online Support:** For technical support with this product, visit HP Customer Support <http://support.hp.com>.⁽¹⁰⁾
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Community at community.hp.com, on Twitter at twitter.com/HPSupport, and Facebook at facebook.com/HPSupport.⁽¹⁰⁾

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 to learn more or call toll-free 1.844.814.1800 to get started.⁽⁹⁵⁾
- **Care Packs, part of HP Care:** Extend protection beyond the standard limited warranty. For more info, visit www.hp.com/go/carepack-services or call toll-free at 1.877.232.8009.⁽⁸³⁾



Specifications

Operating system	<ul style="list-style-type: none"> • Windows 10 Home⁽¹⁾
Processor	<ul style="list-style-type: none"> • AMD Ryzen™ 3 3250U Processor^(2a) • Dual-Core
Processor speed	<ul style="list-style-type: none"> • 2.60 GHz^(2h)
Cache	<ul style="list-style-type: none"> • 4 MB L3 Cache
Memory	<ul style="list-style-type: none"> • 8 GB DDR4-2400 SDRAM memory⁽³⁾ (1 x 8 GB) (expandable to 16 GB)
Internal storage	<ul style="list-style-type: none"> • 1 TB 7200RPM SATA hard drive^(4b)
Finish	<ul style="list-style-type: none"> • HP finish in jet black
Optical drive	<ul style="list-style-type: none"> • DVD-Writer^(6a) • Write: 8x max DVD±R SL, 6x max DVD±R DL, 8x max DVD +RW, 6x max DVD-RW, 24x max CD-R, 10x max CD-RW. • Read: 8x max DVD-ROM±R (SL/DL), 8x max DVD±RW, 24x max CD-ROM/R/RW. • Data transfer rates up to 3,600 KB/s (CD read/write) and 10,800 KB/s (DVD read/write).
Video graphics	<ul style="list-style-type: none"> • AMD Radeon™ Graphics⁽¹⁶⁾
Network interface	<ul style="list-style-type: none"> • 10/100/1000 Base-T Network⁽²⁹⁾
Wireless connectivity	<ul style="list-style-type: none"> • Realtek Wi-Fi 5 (1x1) and Bluetooth® 4.2 Combo, MU-MIMO supported^{(19a)(26)}
Sound	<ul style="list-style-type: none"> • HP Audio
Memory slots	<ul style="list-style-type: none"> • 2 DIMM (SO-DIMM) (one available)
Expansion slots	<ul style="list-style-type: none"> • 2 M.2 (one available)
Memory card reader	<ul style="list-style-type: none"> • HP 3-in-1 Media Card Reader—Supports SD, SDHC, SDXC.
External ports	<ul style="list-style-type: none"> • Headphone/Microphone Combo • Rear: 2 SuperSpeed USB Type-A 5Gbps signaling rate, 2 USB 2.0 Type-A, HDMI Out
Total USB ports	<ul style="list-style-type: none"> • 4 (2 SuperSpeed USB Type-A 5Gbps signaling rate, 2 USB 2.0 Type-A)
Mouse and keyboard	<ul style="list-style-type: none"> • USB Black Wired keyboard and mouse combo
Web camera	<ul style="list-style-type: none"> • HP Truevision HD privacy camera with integrated dual array digital microphone⁽⁸⁹⁾
Microphone	<ul style="list-style-type: none"> • Dual array digital microphone
Integrated display	<ul style="list-style-type: none"> • 10-point touch-enabled 21.5" diagonal FHD IPS anti-glare WLED-backlit three-sided micro-edge display, 250 nits, 72% NTSC (1920 x 1080)⁽²⁰⁾⁽³⁹⁾
Tilt/stand design	<ul style="list-style-type: none"> • Tilt Angle: -5° to 20° • Stand Type: Wire stand
Power supply	<ul style="list-style-type: none"> • 65 W Smart AC power adapter
Dimensions	<ul style="list-style-type: none"> • Unpackaged: 19.30 in (L) x 8.05 in (W) x 14.99 in (H) approx. • Packaged: 23.35 in (L) x 9.57 in (W) x 18.82 in (H) approx.

Learn more at hp.com

⁽¹⁾ 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 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com> ^(2a) 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. AMD, Athlon, Radeon and Ryzen are trademarks of Advanced Micro Devices, Inc. ^(2h) GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance. ⁽³⁾ Up to 512MB of main system memory may be allocated to support video graphics. ^(4b) For storage drives, TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of drive is reserved for system recovery software. ^(6a) DVD-Writer does not support DVD RAM. Don't copy copyright protected materials. ⁽⁸⁾ 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. ⁽¹⁰⁾ Internet service required and not included. ⁽¹¹⁾ 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. ^(19a) 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. ⁽²⁰⁾ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. ⁽²¹⁾ Internet access required and sold separately. VUDU charges apply. Available in US only. ⁽²²⁾ 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 www.dropbox.com. Internet service required and not included. ⁽²⁶⁾ Bluetooth® is a trademark owned by its proprietor and used by Hewlett-Packard Company under license. ⁽²⁹⁾ Actual speeds may vary. ⁽³⁹⁾ Full High Definition (FHD) content is required to view FHD images. ⁽⁴³⁾ Actual throughput may vary. ⁽⁴⁴⁾ Support for CPRM protected DVD-VR discs requires a free app update from Windows Store. ⁽⁵²⁾ 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. ⁽⁵³⁾ Call 1.800.474.6836 or www.support.hp.com for more information on Care Packs available after 90 days. After 90 days, an incident fee may apply. ⁽⁵⁴⁾ For more information visit <http://www.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. ⁽⁶¹⁾ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. ⁽⁶⁹⁾ Weight and system dimensions may fluctuate due to configuration and manufacturing variances. ⁽⁷⁹⁾ Games may be limited during trial period. Full version games may be purchased at any time. Internet access required and not included. ⁽⁸³⁾ 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 www.hp.com/go/carepack-services. ⁽⁸⁹⁾ Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. ⁽⁹³⁾ 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 2020 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. All other trademarks are property of their respective owners. 04/2/2020_r3 jr

Weight	<ul style="list-style-type: none"> • Unpackaged: 12.56 lb approx.⁽⁷⁶⁾ • Packaged: 19.20 lb approx.
Warranty and support	<ul style="list-style-type: none"> • 1-year limited hardware warranty. Additional information available at www.support.hp.com • 90 days limited technical support for software and initial setup (from date of purchase)⁽⁵³⁾

Software

Games	<ul style="list-style-type: none"> • Wild Tangent Games for HP pre-installed: Your HP computer comes with unlimited play of Mahjong Classic, Mahjong Games, Hidden Object Games, Hearts, Solitaire with Themes, Solitaire, Poker and more.⁽⁷⁹⁾
HP help and support	<ul style="list-style-type: none"> • HP JumpStarts: Get access to great HP solutions and learn about valuable features that come with your new HP PC. • HP Support Assistant: Help with your HP PC and printers whenever you need it.⁽⁵⁶⁾
Shopping and services	<ul style="list-style-type: none"> • VUDU: Rent, buy and watch HD movies and TV shows on demand.⁽²¹⁾
Books, music, photos and videos	<ul style="list-style-type: none"> • DVD Playback: Enjoy all of your DVDs on your PC with a high performance DVD player optimized for Windows 10. Enjoy easy navigation and enhanced video quality for most popular DVD formats.⁽⁴⁴⁾
Productivity and tools	<ul style="list-style-type: none"> • Dropbox cloud storage: 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.⁽¹⁰⁾⁽²²⁾ • HP Connection Optimizer: Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points.⁽¹⁰⁾
Security and protection	<ul style="list-style-type: none"> • McAfee LiveSafe™: Protect your operating system with a free 30-day McAfee LiveSafe™ trial.⁽⁶⁾

Additional information

Product number	• 9EE21AA#ABA
Ad embargo date	• 05/10/2020
UPC code	• 194850045301
Country of origin	• Taiwan
Tariff number	• 8471410000 (US AIO Touch)
Pallet information	<ul style="list-style-type: none"> • Dimensions: 47.24 in (L/D) x 39.37 in (W) x 80.59 in (H) approx. • Total weight: 608.50 lb approx. • Layers: 4 • Products per layer: 8 • Total products per pallet: 32

