

HP Pavilion Laptop 14-ec0013dx



Works hard, plays harder

A sleek laptop with the speed of an AMD processor and a stunning display for amazing entertainment.

Product overview

- **Up to speed:** Experience the thrill of a powerful AMD Ryzen™ 7 5700U processor, NVIDIA® GeForce® MX450 graphics, and the impressive speed of Wi-Fi 6.
- **Irresistible:** A sleek and sophisticated laptop that has everything you need to power through your to-do list in style. The modern design includes hourglass edges and metal top and keyboard cover. The larger precision touchpad gives you the intuitive control you need to tackle your day your way.
- **Entertainment never looked so good:** Entertainment that jumps off the screen. With a 3-sided micro-edge Full HD display, flicker-free screen, and Audio by B&O, you'll feel like you're in your own personal theater.⁽³⁹⁾ HP Fast Charge helps keep the excitement going all day.
- **Planet positive:** The HP Pavilion 14 inch laptop is ENERGY STAR® certified and EPEAT® Silver registered, and it contains sustainable, post-consumer recycled and ocean-bound plastics.

Key specifications

- **Operating system:** Windows 10 Home⁽¹⁾
- **Processor:** AMD Ryzen™ 7 5700U^(2a)
- **Display:** 14.0-inch diagonal, FHD (1920 x 1080), IPS, micro-edge, BrightView⁽³⁹⁾
- **Memory:** 16 GB DDR4-3200 MHz RAM (1 x 16 GB)
- **Internal storage:** 512 GB PCIe® NVMe™ M.2 SSD^{(5)(58b)}
- **Graphics:** NVIDIA® GeForce® MX450 (2 GB GDDR5 dedicated)⁽¹³⁾
- **Sound:** Audio by B&O with dual speakers
- **Battery life:**
 - Up to 10 hours and 30 minutes (mixed usage)⁽⁸⁵⁾
 - Up to 10 hours and 15 minutes (video playback)⁽⁷⁾⁽⁵⁾
 - Up to 8 hours and 45 minutes (wireless streaming)⁽⁸⁰⁾
- **Wireless:** Intel® Wi-Fi 6 AX200 (2x2)⁽¹⁾⁽⁹⁸⁾ and Bluetooth® 5 combo⁽²⁶⁾ (Supporting Gigabit data rate)⁽⁷⁾
- **Camera:** HP Wide Vision 720p HD camera with integrated dual array digital microphones⁽⁸⁹⁾
- **Product weight:** 3.11 lb⁽⁷⁶⁾
- **Keyboard:** Full-size, backlit, natural silver keyboard

Product features

- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows - only better.⁽¹⁾
- **AMD Ryzen™ 7 5700U Mobile Processor:** Create. Play. Work. Educate. Entertain. The possibilities are infinite. Be anywhere, go anywhere. Powers ultrathin notebooks that offer supreme performance, astonishing battery life, and modern features you need on-the-go.
- **NVIDIA® GeForce® MX450:** Accelerate your laptop with the NVIDIA® GeForce® MX450 graphics for incredible HD photo and video editing, plus better gaming—all without compromising battery life.
- **Full HD IPS display:** Enjoy crystal-clear images from any angle. With 178-degree wide-viewing angles and a vibrant 1920 x 1080 FHD resolution, you'll always have a great view of your favorite content.⁽³⁹⁾
- **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.⁽⁶¹⁾
- **HP Fast Charge:** Go from 0 to 50% charge in approximately 30 minutes.⁽⁷²⁾
- **PCIe® NVMe™ SSD storage:** Get up to 15x faster performance than a traditional hard drive.^(58b)
- **Effortlessly connected:** Enjoy a smoother wireless experience with Wi-Fi 6 (2x2) and Bluetooth® 5.0 combo, all your connections are solid and up to 3x faster file transfer speeds than Wi-Fi 5.^{(19a)(19f)(26)}
- **A truly powerful audio experience:** HP Dual Speakers, HP Audio Boost, and tuning by B&O deliver a rich, authentic audio experience.
- **DDR4 RAM:** With higher bandwidth, you get more of a boost in performance for improved multi-tasking.
- **Fingerprint reader:** Seamlessly log in to your device in any position with the touch of your finger. Patented 3-D fingerprint technology ensures secure access.⁽⁹⁾
- **Backlit keyboard:** Keep going comfortably even in darker environments.

Product design

- **Three-sided micro-edge display:** See more of your screen with a three-sided micro-edge display that maximizes your viewing area.
- **Optimized metal design:** Streamlined, metal design delivers a thinner, lighter PC with great durability.
- **Lift-hinge design:** The new lift-hinge design elevates your keyboard for more natural and comfortable typing.

Created 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.

- Built with the environment in mind, this laptop is designed using sustainable materials like:
 - Ocean-bound plastic in the speaker enclosure^(63c)
 - Keycaps made from post-consumer recycled plastic^(63b)
- HP's outer boxes and fiber cushions used in packaging are 100% sustainably sourced and recyclable.^(63a)
- ENERGY STAR® certified⁽⁶²⁾
- EPEAT® Silver registered⁽²⁷⁾

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 for Software & initial set-up:** Warranty details are included with your product.

Support Options:

- **HP Support Assistant - HP5A:** 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>.⁽⁹⁾
- **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.⁽⁹⁾



Specifications

Operating system	• Windows 10 Home ⁽¹⁾
Processor	• AMD Ryzen™ 7 5700U ^(2a) • 8-Core
Processor speed	• Up to 4.3 GHz max boost clock ^(2d)
Processor cache	• 8 MB L3 cache
Memory	• 16 GB DDR4-3200 MHz RAM (1 x 16 GB)
Accessible memory slots	• Memory slot not user accessible
Video graphics	• NVIDIA® GeForce® MX450 (2 GB GDDR5 dedicated) ⁽¹³⁾
Internal storage	• 512 GB PCIe® NVMe™ M.2 SSD ^{(15)(58b)}
Finish and features	• Top cover: Natural silver aluminum with a sandblasted finish • Keyboard deck: Natural silver aluminum with a sandblasted finish
Camera	• HP Wide Vision 720p HD camera with integrated dual array digital microphones ⁽⁸⁹⁾
Display	• 14.0-inch diagonal, FHD (1920 x 1080), IPS, micro-edge, BrightView, 250 nits, 45% NTSC ⁽²⁰⁾⁽³⁹⁾
Screen to body ratio	• 84.0% ⁽⁴⁰⁾
Wireless connectivity	• Intel® Wi-Fi 6 AX200 (2x2) ^(19e) and Bluetooth® 5 combo ⁽²⁶⁾ (Supporting Gigabit data rate) ⁽⁷⁾ • MU-MIMO supported
Sound	• Audio by B&O with dual speakers
Integrated keyboard	• Full-size, backlit, natural silver keyboard • HP Imagepad with multi-touch gesture support
External notebook ports	• 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge) ⁽⁴²⁾⁽⁵⁰⁾⁽⁶⁴⁾ • 2 SuperSpeed USB Type-A 5Gbps signaling rate • 1 Headphone/microphone combo • 1 AC smart pin • 1 HDMI 2.0
Dimensions	• Unpackaged: 12.80 in (W) x 8.53 in (D) x 0.67 in (H) • Packaged: 17.68 in (L) x 2.72 in (W) x 12.01 in (H)
Weight	• Unpackaged: 3.11 lb ⁽⁷⁶⁾ • Packaged: 4.38 lb
Security	• Fingerprint reader
Power	• 3-cell, 43 Wh Li-ion polymer ⁽⁴²⁾ • 65 W Smart AC power adapter
Battery life	• Up to 10 hours and 30 minutes (mixed usage) ⁽⁸⁵⁾ • Up to 10 hours and 15 minutes (video playback) ⁽⁷⁾⁽⁵⁾ • Up to 8 hours and 45 minutes (wireless streaming) ⁽⁸⁰⁾
Warranty and support	• 1-year limited hardware warranty. Additional information available at www.support.hp.com ⁽⁹⁾ • 1-year limited technical support for software and initial setup (from date of purchase) ⁽⁵³⁾

Software

HP Help and support	• myHP: 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. • HP BIOS Protection: Get peace of mind knowing your PC BIOS is protected. HP BIOS Protection automatically checks its health and recovers itself. ⁽²³⁾ • HP Support Assistant: Included with your computer, this free self-help tool makes it easier than ever to get help with your HP PC and printers. ⁽⁵⁶⁾
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⁽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 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 and Radeon are trademarks of Advanced Micro Devices, Inc. ^(2d) Max Boost clock frequency performance varies depending on hardware, software and overall system configuration. GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance. ⁽⁷⁾ Wi-Fi 5 or 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. ⁽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. ⁽⁹⁾ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. ⁽¹³⁾ ©2021 NVIDIA Corporation. NVIDIA, the NVIDIA logo, GeForce, and GeForce RTX are registered trademarks and/or trademarks of NVIDIA Corporation in the United States and other countries. All other trademarks and copyrights are the property of their respective owners. ⁽¹⁵⁾ Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. ^(19a) Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Requires a wireless router, sold separately, that supports 80MHz channels. 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. ^(19b) Based on Wi-Fi 5 80MHz and Wi-Fi 6 160MHz minimum requirements when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 802.11ax (Wi-Fi 6). Only available in countries where 802.11ax is supported. ⁽²⁰⁾ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. ⁽²¹⁾ Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors. ⁽²²⁾ 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. Internet service required and not included. ⁽²³⁾ HP BIOS Protection works with Windows 10 that ships with your PC. ⁽²⁶⁾ Bluetooth® is a trademark owned by its proprietor and used by Hewlett-Packard Company under license. ⁽²⁷⁾ Based on U.S. EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information. ⁽³⁹⁾ Full High Definition (FHD) content is required to view FHD images. ⁽⁴⁰⁾ Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk. ⁽⁴²⁾ USB Type-C® and USB-C® are trademarks of USB Implementers Forum. ⁽⁵⁰⁾ DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. ⁽⁵³⁾ Call 1.800.474.6836 or support.hp.com for more information on Care Packs available after standard warranty expires. After standard warranty expires, an incident fee may apply. ⁽⁵⁶⁾ For more information visit 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. ^(58a) Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD. ⁽⁶¹⁾ The Flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights. ⁽⁶²⁾ ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. ^(63a) Keyboard keycaps contain post-consumer recycled plastic. Percentage contained in each component varies by product. ^(63b) Percentage of ocean-bound plastic contained in each component varies by product. ^(65a) 100% outer box/corrugate cushion packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Excludes plastic bags and plastic foam sheeting. ⁽⁶⁴⁾ For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device. ⁽⁷²⁾ Recharges your battery up to 50% within 30 minutes when the system is off (using "shut down" command). Recommended for use with the HP adapter provided with the notebook, not recommended with a smaller capacity battery charger. After charging has reached 50% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. ⁽⁷⁵⁾ Battery life tested by HP using continuous FHD video playback, 1080p (1920x1080) resolution, 150 nits brightness, system audio level at 17%, player audio level at 100%, played full-screen from local storage, headphone attached, wireless on but not connected. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage. ⁽⁷⁶⁾ Weight and system dimensions may fluctuate due to configuration and manufacturing variances. ⁽⁸⁰⁾ Battery life tested by HP using continuous Netflix video playback, Windows 10 Netflix app, 150 nits brightness, system audio level 17%, headphone attached, played full-screen, wireless on. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage. ⁽⁸⁹⁾ Windows 10 MobileMark 18 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See bapco.com/products/mobilemark-2018/ for additional details. ^(88a) Offer available worldwide to new and existing subscribers who are 18+. Click on the Adobe icon in the start menu to redeem a 1-month free trial membership for select Adobe software. The software is tied to the device and is not transferrable. If you cancel before the end of the one-month free trial, you won't be charged. You can cancel your subscription anytime via your Adobe Account page or by contacting Customer Support. Offer not available to Education, OEM, or volume licensing customers. Subject to availability where the recipient resides. Additional terms and conditions may apply. Void where prohibited or restricted by law. ⁽⁸⁹⁾ 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. All other trademarks are property of their respective owners. 04/12/2021_r1 tg

