

HP Pavilion Gaming Laptop 15-ec1073dx



Game Ready. Performance Ready.

The thin and powerful HP Pavilion Gaming 15 Laptop lets you experience high-grade graphics and processing power that meets your gaming and multitasking needs.

Product overview

- **Power to do it all:** Take on everything with a high performance processor and advanced graphics.
- **Stay in the game:** Game harder for longer on a laptop equipped with a dual fan system for enhanced thermal cooling. A wide rear vent and enlarged air inlets maximize airflow to optimize your overall performance and stability, keeping the machine cool during extended usage.⁽⁴⁶⁾
- **Daring design:** Get lost in the game with a sleek micro-edge bezel display and front-firing speakers with Audio by B&O for powerful, custom-tuned sound.

Key specifications

- **Operating system:** Windows 10 Home⁽¹⁾
- **Processor:** AMD Ryzen™ 5 4600H^(2a)
- **Display:** 15.6-inch diagonal, FHD (1920 x 1080), micro-edge, anti-glare⁽³⁹⁾
- **Memory:** 8 GB DDR4-3200 SDRAM (1 X 8 GB)
- **Internal storage:** 256 GB PCIe® NVMe™ M.2 SSD^{(15)(58b)}
- **Graphics:** NVIDIA® GeForce® GTX 1650 (4 GB GDDR5 dedicated)⁽¹³⁾
- **Sound:** Audio by B&O with dual speakers
- **Battery life:**
 - Up to 5 hours (mixed usage)⁽⁸⁵⁾
 - Up to 7 hours and 15 minutes (video playback)⁽⁷⁵⁾
 - Up to 6 hours and 30 minutes (wireless streaming)⁽⁸⁰⁾
- **Wireless:** Realtek RTL8822CE 802.11a/b/g/n/ac (2x2)^(19a) Wi-Fi® and Bluetooth® 5.0 combo⁽²⁶⁾
- **Camera:** HP True Vision 720p HD camera with integrated dual array digital microphones⁽⁸⁹⁾
- **Product weight:** 4.37 lb⁽⁷⁶⁾
- **Keyboard:** Full-size, acid green backlit, shadow black keyboard with numeric keypad

Product features

- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows - only better.⁽¹⁾
- **NVIDIA® GeForce® GTX 1650 graphics:** Get all the power you need for a fast, smooth, power-efficient gaming experience.
- **AMD Ryzen™ Mobile Processor:** Uplift your performance and multitask seamlessly with accelerated power and efficiency, while enjoying stunning HD visuals.
- **Advanced thermal management:** Optimized thermal design and IR sensor keeps your laptop cool to touch, without affecting acoustics.
- **Sleek design:** Easily take this thin and light PC from room to room or on the road.
- **Micro-edge display:** The barely visible bezel revolutionizes your display by letting a larger screen fit into a smaller frame.
- **FHD display:** 2 million pixels for crystal-clear visuals and vibrant image quality.⁽³⁹⁾
- **PCIe® NVMe™ SSD storage:** Get up to 15x faster performance than a traditional hard drive.^(58b)
- **Wi-Fi 5 (2x2) & Bluetooth® 5.0:** With a Wi-Fi 5 (2x2) (802.11a/b/g/n/ac) WLAN adapter and Bluetooth® 5.0, all your connections are rock solid.^{(19a)(26)}

Additional product features

- **MU-MIMO supported:** Pair with a MU-MIMO router for a smoother online experience in multi-device homes.
- **Backlit keyboard with integrated numeric pad:** Keep going comfortably even in darker environments.
- **An exceptionally rich audio experience:** HP Dual Speakers, HP Audio Boost, and tuning by B&O deliver a rich, authentic audio experience.
- **DDR4-3200 RAM:** With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.
- **McAfee LiveSafe™:** Protect your operating system with a free 30-day McAfee LiveSafe™ trial.⁽⁸⁾

Energy efficiency your way

HP is committed to global citizenship and environmental responsibility. Do the environment—and your wallet—a favor when you use the HP Pavilion Laptop that meets strict energy-efficiency and helps reduce your carbon footprint.

- ENERGY STAR® certified⁽⁶²⁾
- EPEAT® Silver registered⁽²⁷⁾
- 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 for Software & initial set-up:** Warranty details are included with your product.

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>.⁽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™ 5 4600H ^(2a) • 6-Core
Processor speed	• 3.0 GHz base clock, up to 4.0 GHz max boost clock ^(2d)
Processor cache	• 8 MB L3 cache
Memory	• 8 GB DDR4-3200 SDRAM (1 X 8 GB)
Accessible memory slots	• 2
Video graphics	• NVIDIA® GeForce® GTX 1650 (4 GB GDDR5 dedicated) ⁽¹³⁾
Internal storage	• 256 GB PCIe® NVMe™ M.2 SSD ^{(15)(58b)}
Finish and features	• Top cover: Shadow black • Keyboard deck: Shadow black • Logo: Green Chrome
Camera	• HP True Vision 720p HD camera with integrated dual array digital microphones ⁽⁸⁹⁾
Display	• 15.6-inch diagonal, FHD (1920 x 1080), micro-edge, anti-glare, 220 nits, 45% NTSC ⁽²⁰⁾⁽³⁹⁾
Screen to body ratio	• 79% ⁽⁴⁰⁾
Network card	• Integrated 10/100/1000 GbE LAN ⁽²⁹⁾
Wireless connectivity	• Realtek RTL8822CE 802.11a/b/g/n/ac (2x2) ^(19a) Wi-Fi® and Bluetooth® 5.0 combo ⁽²⁶⁾ • MU-MIMO supported
Digital media	• Multi-format SD media card reader
Sound	• Audio by B&O with dual speakers
Integrated keyboard	• Full-size, acid green backlit, shadow black keyboard with numeric keypad • HP Imagepad with multi-touch gesture support
External notebook ports	• 1 SuperSpeed USB Type-C® 5Gbps signaling rate ⁽⁴²⁾ • 1 SuperSpeed USB Type-A 5Gbps signaling rate • 1 USB 2.0 Type-A (HP Sleep and Charge) ⁽⁶³⁾ • 1 RJ-45 • 1 Headphone/microphone combo • 1 AC Smart pin • 1 HDMI 2.0
Dimensions	• Unpackaged: 14.17 in (W) x 10.12 in (D) x 0.93 in (H) • Packaged: 19.02 in (L) x 2.72 in (W) x 12.00 in (H)
Weight	• Unpackaged: 4.37 lb ⁽⁷⁶⁾ • Packaged: 6.46 lb
Power	• 3-cell, 52.5 Wh Li-ion polymer • 150 W Smart AC power adapter
Battery life	• Up to 5 hours (mixed usage) ⁽⁸⁵⁾ • Up to 7 hours and 15 minutes (video playback) ⁽⁷⁵⁾ • Up to 6 hours and 30 minutes (wireless streaming) ⁽⁸⁰⁾

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 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. ⁽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⁾ NVIDIA, GeForce, Surround, and the NVIDIA logo are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. ⁽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. 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. ⁽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 dropbox.com. ⁽²³⁾ Detects BIOS damage and recovers last settings. ⁽²⁶⁾ Bluetooth® is a trademark owned by its proprietor and used by Hewlett-Packard Company under license. ⁽²⁷⁾ EPEAT® Silver registered where applicable. EPEAT registration varies by country. See epeat.net for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at hp.com/go/options. ⁽²⁹⁾ Actual speeds may vary. ⁽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. ⁽⁴⁶⁾ Thermal solution varies by configuration. ⁽⁵³⁾ Call 1.800.474.6836 or support.hp.com for more information on Care Packs available after 90 days. After 90 days, 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. ^(58b) Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD. ⁽⁶¹⁾ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. ⁽⁶²⁾ ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. ⁽⁶³⁾ HP Sleep and Charge requires USB Type-A/Type-C charging protocol standard cable or dongle with external device for full functionality. ⁽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. ⁽⁸⁵⁾ 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. ⁽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 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. 07/10/2020_r1 jr

Warranty and support	<ul style="list-style-type: none"> • 1-year limited hardware warranty. Additional information available at www.support.hp.com⁽⁹⁾ • 90 days limited technical support for software and initial setup (from date of purchase)⁽⁵³⁾
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Software

HP help and support	<ul style="list-style-type: none"> • 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 Jumpstarts: Get access to great HP solutions and learn about valuable features that come with your new HP PC. • 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⁾
Books, music, photos and videos	<ul style="list-style-type: none"> • Netflix: Watch movies and TV on your PC with subscription.⁽⁹⁾
Productivity and tools	<ul style="list-style-type: none"> • OMEN Command Center: A single touch-point for all HP gaming systems. System Vitals dynamically display your key metrics for optimal performance, while Network Booster sends gaming network traffic to the front of the line. • HP Audio Switch: Easily switch between speaker and microphone sources with intuitive controls and a consistent app experience. • HP Connection Optimizer: Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points.⁽⁹⁾ • 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.⁽⁹⁾⁽²²⁾
Security and protection	<ul style="list-style-type: none"> • McAfee LiveSafe™: Protect your operating system with a free 30-day McAfee LiveSafe™ trial.⁽⁸⁾

Additional Information

Product number	• 1S8F3UA#ABA
Ad embargo date	• 11/27/2020
UPC Code	• 195122518851
Country of origin	• China
Pallet information	<ul style="list-style-type: none"> • Dimensions: 42.32 in (H) x 39.37 in (W) x 47.24 in (L) • Total weight: 692.90 lb • Layers: 3 • Products per layer: 34
Battery regulatory data	<ul style="list-style-type: none"> • Transportation or storage regulations: Y • UN# and proper shipping name: UN3481 - Lithium ion batteries packed with equipment • Number of batteries: 1 • Primary battery regulated material: 210g • Primary battery watt hours: 52.5 • Applicable CPSC regulations: N

