

HP Pavilion Laptop 15-eh1600ng



Sophistication at work. Gratification at play.

The Pavilion 15.6 inch Laptop packs more performance into a smaller profile, so you can get more done wherever you go. Enjoy mind-blowing entertainment with a micro-edge screen and Audio by B&O.



*Product image may differ from actual product



Productivity simplified

Performance that's one step ahead. Experience a laptop that can keep up with you with a premium AMD processor.



More delight in a smaller package

A compact laptop that makes it easy to get work done on the go with a Precision Touchpad, while the long battery life and HP Fast Charge let you keep moving.¹



A screen that steals the show

With Audio by B&O, a larger screen-to-body ratio, and micro-edge bezels that maximize your view, entertainment on your laptop feels like stuffing a large popcorn into the small bag.



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Featuring

Windows 10

Do great things confidently with the familiar feel of Windows – only better. Be more secure, more productive, and get more personal with preinstalled features and enhancements like Windows Hello and Cortana.²

AMD Ryzen™ 5000 U Series Mobile Processors

If juggling video conferences, web browsing, building spreadsheets, and creating presentations is the norm, then AMD Ryzen™ 5000 Series Mobile Processor-powered devices are built with you in mind.

FHD IPS display

Enjoy crystal-clear images from any angle. With 178° wide-viewing angles and a vibrant 1920 x 1080 resolution, you'll always have a great view of your favorite content.³

Liberating battery life

Take on your day without worrying about recharging. With up to 8 hours and 45 minutes of battery life, you can work, watch more, and spend more of your time totally untethered.⁴

HP Fast Charge

When your laptop is low on power, no one has time to wait hours to recharge. Power down your device and go from 0 to 50% charge in approximately 45 minutes.⁵

PCIe SSD storage

Boot up in seconds with lightning fast speed with up to 1 TB PCIe SSD storage.

Wi-Fi 5 (2x2) & Bluetooth® 5.0 (802.11a/b/g/n/ac)

Never worry about spotty Internet and weak connections. Stay powerfully connected to Wi-Fi and to Bluetooth® accessories with the latest Wi-Fi 5 (2x2) WLAN adapter and Bluetooth® 5.0.⁶

DDR4 RAM

Designed to run more efficiently and more reliably at faster speeds, DDR4 is the future of RAM. With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.

Fingerprint reader

Seamlessly log in into your device in any mode with the touch of your finger. Patented 3-D fingerprint technology ensures secure access and online payments.⁷

SuperSpeed USB Type-C® Power + Display + 10Gbps signaling rate

Power your device or connect to an external display from just one USB-C® port with 10Gbps signaling rate. And it's reversible, so you never have to worry about plugging in upside down.⁸

HP Wide Vision HD Camera

The 88-degree, wide-angle field of view lets you video chat with the entire family or group of friends in crystal clear detail.⁹

HP Imagepad with multi-touch gesture

This true multi-touch touchpad supports four finger gestures and lets you scroll, zoom, and navigate with a simple touch.

Thoughtfully designed

Built with the environment in mind, our laptop design includes sustainable materials like ocean-bound plastic in the speaker enclosure.¹⁰

Backlit keyboard with integrated numeric pad

Keep going even in dimly lit rooms or aboard red-eye flights. With an illuminated keyboard and integrated numeric pad, you can type comfortably in more environments.

McAfee® LiveSafe™

Protect your operating system with a free 30-day McAfee® LiveSafe™ subscription.¹¹

Dropbox cloud storage

Store and synchronize your content online with Dropbox. Get 25 GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access.¹²

Amazon Alexa Voice Service

Listen to music, get news, manage smart home devices and enable any of more than 50K skills – all hands-free using Amazon Alexa on your PC.¹³

Three-sided micro-edge display

See more of your screen with a three-sided micro-edge display that maximizes your viewing area.

A truly powerful audio experience

With HP Dual Speakers, HP Audio Boost, and custom tuning by the experts at B&O, you can experience rich, authentic audio. Let the sound move you.

HP Fast Charge

When your laptop is low on power, no one has time to wait hours to recharge. Power down your device and go from 0 to 50% charge in approximately 45 minutes.¹⁴

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Specifications

Performance

Operating system

Windows 10 Home 64

Processor

AMD Ryzen™ 7 5700U (up to 4.3 GHz max boost clock, 8 MB L3 cache, 8 cores)^{6,7}

Processor family: AMD Ryzen™ 7 processor

Chipset

AMD Integrated SoC

Memory

16 GB DDR4-3200 MHz RAM (2 x 8 GB)

Transfer rates up to 3200 MT/s.

Number of User-accessible Memory Slots: 0

Storage

1 TB PCIe® NVMe™ M.2 SSD

Optical drive not included

Dropbox¹

Graphics

Integrated: AMD Radeon™ Graphics;

Audio

Audio by B&O; Dual speakers; HP Audio Boost

Display

39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, micro-edge, anti-glare, 250 nits, 45%

NTSC¹⁷

Screen-to-body ratio

86%¹⁸

Power

45 W Smart AC power adapter;

Battery type

3-cell, 41 Wh Li-ion;

Battery and Power

Up to 8 hours and 45 minutes³;

Supports battery fast charge: approximately 50% in 45 minutes⁵

Maximum battery life video playback

Up to 9 hours and 15 minutes¹⁰

Connectivity

Wireless connectivity

Realtek RTL8822CE 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 combo ¹⁴

Miracast compatible; MU-MIMO supported

Ports

1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP

Sleep and Charge); 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.0; 1 AC smart

pin; 1 headphone/microphone combo ¹⁹

1 microSD media card reader; 1 multi-format SD media card reader

Webcam

HP Wide Vision 720p HD camera with integrated dual array digital microphones

Design

Product color

Natural silver aluminum cover and keyboard frame, natural silver base

Sandblasted cover and keyboard frame, paint finish base

Software

HP apps

HP Audio Switch; HP Connection Optimizer; HP QuickDrop; OMEN Gaming Hub

Software

Alexa; ExpressVPN (30 day free trial); LastPass Premium (30 day free trial) ²²;

1 month trial for new Microsoft 365 customers ²⁴

Service & support

McAfee LiveSafe™ ²

Additional information

Part Number

P/N: 421W2EA #ABD

Ecolabels

ENERGY STAR® certified; EPEAT® Silver registered ²⁷

Sustainable impact specifications:

Ocean-bound plastic in speaker enclosure ³⁹

Weight

1.75 kg;

Packed: 2.34 kg

Weight Note: Weight varies by configuration

Dimensions

36.02 x 23.4 x 1.79 cm;

Packed: 6.9 x 52 x 30.5 cm

Dimension Note: Dimensions vary by configuration

Warranty

1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

Keyboard

Full-size, backlit, natural silver keyboard with numeric keypad

HP Imagepad with multi-touch gesture support; Precision Touchpad Support

Features

Support AMD Radeon FreeSync™ technology

Security management

Kensington Nano Security lock slot

Fingerprint reader

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Warranty services*



3-year pickup and return
U4819E

Key Selling Points Footnotes

¹ Recharges your battery up to 50% within 45 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. Available on select HP products. See <http://store.hp.com> for a full list of product features.

Feature Messaging Footnotes

² 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>. Some features including voice supported Cortana, inking, and Continuum require more advanced hardware. See www.windows.com. Apps sold separately.

³ Full high-definition (FHD) content is required to view FHD images.

⁴ 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 <https://bapco.com/products/mobilemark-2018/> for additional details.

⁵ Recharges your battery up to 50% within 45 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. Available on select HP products. See <http://store.hp.com> for a full list of product features.

⁶ 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.

⁷ Internet service required and not included.

⁸ Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum.

⁹ Features may require software or other 3rd party applications to provide the described functionality.

¹⁰ Percentage of ocean-bound plastic contained in each component varies by product.

¹¹ Internet service required and not included. Subscription required after 30 days.

¹² 25 GB 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 www.dropbox.com. Internet service required and not included.

¹³ Alexa home supported devices are not included and must be purchased separately.

¹⁴ Recharges your battery up to 50% within 45 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 will return to normal speed. Charging time may vary +/-10% due to System tolerance. Available on select HP products. See <http://store.hp.com> for a full list of product features.

Technical Specifications Footnotes

¹ 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 <https://www.dropbox.com/help/space/hp-promotion>. Internet service required and not included.

² Free 30 day subscription of McAfee LiveSafe service included. Internet access required and not included. Subscription required after expiration.

³ 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 <https://bapco.com/products/mobilemark-2018/> for additional details.

⁵ Recharges your battery up to 50% within 45 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. Available on select HP products. See <http://store.hp.com> for a full list of product features.

⁶ 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.

⁷ Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.

¹⁰ 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.

¹⁴ 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.

¹⁷ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

¹⁸ Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.

¹⁹ For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.

²² Reverting to LastPass basic after 30 days.

²⁴ Must activate within 180 days of Windows activation.

²⁵ FreeSync™ is only available when it is connected on Display Port or HDMI port. FreeSync is an AMD technology is enabled on FHD or QHD displays and is designed to eliminate stuttering and/or tearing in games and videos by locking a display's refresh rate to the frame rate of the graphics card. Monitor, AMD Radeon™ Graphics and/or AMD A-Series APU compliant with DisplayPort™ Adaptive-Sync required. AMD Catalyst™ 15.2 Beta (or newer) required. Adaptive refresh rates vary by display.

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 Percentage of ocean-bound plastic contained in each component varies by product.

