

HP ENVY Laptop 17-ch0058ng



The power to create the way you want with accurate colors

Unleash your creativity with the HP ENVY 17 Laptop that gives you the performance, features and freedom to create the way you want. Powered by Intel® Core™ processor, brings your ideas to life in stunning colors that match your imagination. Your ideas stay your own with privacy features that keep your creations safe.



*Product image may differ from actual product



HP QuickDrop

Easily share photos, videos, and files between your mobile devices and HP ENVY over Wi-Fi.



Power up your creativity

Unleash your ideas and bring your creative vision to life with the powerful Intel® Core™ processor¹ and Iris® Xe Graphics.



Peace of mind at your fingertips

Keep your work safe with fingerprint reader and privacy camera shutter key, and keep your chats private with the mute mic button.



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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

Exceptional experience, anywhere

11th Gen Intel® Core™ processors bring the perfect combination of features to make you unstoppable. Get things done fast with high performance, instant responsiveness and best-in-class connectivity.¹

NVIDIA® GeForce® MX450

Accelerate your laptop with high-performance, power-efficient NVIDIA® GeForce® MX450 graphics. Now, you can enjoy incredible HD photo and video editing, plus faster, smoother gaming. GeForce MX450's powerful graphics engine and next-gen technologies give you even faster performance over the latest integrated graphics. It even comes with power-saving NVIDIA Optimus® technology that lets you do a whole lot more between charges.

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

Corning® Gorilla® Glass NBT™

Scratch-resistant Corning® Gorilla® Glass NBT™ stands up to all the daily abuse a touch screen takes. Help reduce accidental damage with strong, more durable protection than most displays.

100% sRGB

Showcase your creations in all their colors on the 100% sRGB display for maximum color broadness and accuracy.

Liberating battery life

Take on your day without worrying about recharging. With up to 8 hours and 30 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 30 minutes.⁵

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 5.⁶

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.⁷

Thunderbolt™ 4 with USB4™ Type-C®

Power your device or connect an external display with a blazing 40Gbps signaling data rate from one impressive SuperSpeed USB-C® port with Thunderbolt™ 3. And it's reversible, so you never have to worry about plugging in upside down.⁸

HP QuickDrop

This bridge between your PC and mobile device lets you share mobile content right to your PC with a simple, secure Wi-Fi connection.

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.⁹

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.¹⁰

McAfee® LiveSafe™

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

PCIe NVMe™ M.2 SSD storage

Boot up in seconds with lightning fast speed with up to 512 GB PCIe NVMe™ M.2 SSD storage.

Dual channel memory

With dual channel technology, two channels work simultaneously to double the communication speed between the memory controller and the RAM increasing system performance.

All-metal chassis

See and feel a heightened sense of craftsmanship with an all-metal angular chassis design, polished accents, and high-quality materials built to last.

Thoughtfully designed

Built with the environment in mind, our laptop design includes sustainable materials like recycled aluminum.¹²

Keyboard keycaps contain post-consumer recycled plastic

We're bringing a more sustainable design to our keyboards by using keycaps made with post-consumer recycled plastic.¹³

SD and Micro SD card reader

Simply insert an SD or Micro SD card and increase your device's storage for more movies, photos, and music, or easily access any content you have stored on an existing card.

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.¹⁴

Full-sized keyboard

The full-sized keyboard allows you to work anywhere, with 1.5mm key travel for typing comfort and total productivity.

An exceptionally rich audio experience

With HP Dual Speakers, HP Audio Boost, and custom tuning by the experts at Bang & Olufsen, entertainment comes to life with sound you can feel. Awaken your senses with PC audio perfection.

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 30 minutes.¹⁵

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.¹⁶

All-in-One Keyboard

Control your privacy, security and multimedia with the touch of a button. With all your hotkeys in one area, seamlessly navigate with no distractions.

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Specifications

Performance

Operating system

Windows 10 Home 64

Processor

Intel® Core™ i5-1135G7 (up to 4.2 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores)^{6,7}

Processor family: 11th Generation Intel® Core™ i5 processor

Chipset

Intel® 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

512 GB PCIe® NVMe™ M.2 SSD

Optical drive not included

Graphics

Discrete: NVIDIA® GeForce® MX450 (2 GB GDDR5 dedicated);

Audio

Audio by Bang & Olufsen; Dual speakers; HP Audio Boost

Display

43.9 cm (17.3") diagonal, FHD (1920 x 1080), IPS, edge-to-edge glass, micro-edge, Corning® Gorilla® Glass NBT™, 300 nits, 100% sRGB¹⁷

Screen-to-body ratio

86.25%¹⁸

Power

65 W AC power adapter;

Battery type

4-cell, 55 Wh Li-ion polymer;

240 g;

Battery and Power

Up to 8 hours and 30 minutes³;

Supports battery fast charge: approximately 50% in 30 minutes⁵

Maximum battery life video playback

Up to 11 hours and 30 minutes¹⁰

Connectivity

Wireless connectivity

Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo (Supporting Gigabit data rate)^{11,12,13,16}
MU-MIMO supported; Miracast compatible

Ports

1 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 SuperSpeed USB Type-A 10Gbps signaling rate (HP Sleep and Charge); 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 HDMI 2.0b; 1 AC smart pin; 1 headphone/microphone combo^{19,20}

1 multi-format SD media card reader

Webcam

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

Design

Product color

Natural silver aluminum cover and keyboard frame, natural silver base
Sandblasted cover and keyboard frame, polished base finish

Software

HP apps

HP Audio Switch; HP Connection Optimizer; HP Command Center; HP QuickDrop; OMEN Gaming Hub; HP Display Control

Software

Alexa; ExpressVPN (30 day free trial); LastPass Premium (30 day free trial)²²;
1 month trial for new Microsoft 365 customers²⁴

Service & support

McAfee LiveSafe™²

Additional information

Part Number

P/N: 46H79EA #ABD

UPC/EAN code: 196068094454

Ecolabels

ENERGY STAR® certified; EPEAT® Silver registered²⁷

Sustainable impact specifications:

Ocean-bound plastic in base, bezel, speaker enclosure and inner frame; Contains recycled metal; Keyboard keycaps made with post-consumer recycled plastic^{39,40,41}

Weight

2.54 kg;

Packed: 3.6 kg

Weight Note: Weight varies by configuration

Dimensions

39.9 x 25.9 x 1.99 cm;

Packed: 6.9 x 55.2 x 34.5 cm

Dimension Note: Dimensions vary by configuration

Warranty

2 year (2/2/0) limited warranty includes 2 years 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

Security management

All-in-One keyboard

Fingerprint reader

Sensors

IR Thermal sensor

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Warranty services*



3-year pickup and return
UM946E

Key Selling Points Footnotes

¹ 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 is not a measurement of higher performance.

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 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. 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 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. Wi-Fi 6 (802.11ax) is not supported in Ukraine, Russia, and Indonesia where the Wi-Fi 6 (802.11ax) will be disabled and downgraded to 802.11ac by the Intel's DRS solution.
- ⁷ Features may require software or other 3rd party applications to provide the described functionality.
- ⁸ Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum.
- ⁹ 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.
- ¹⁰ Alexa home supported devices are not included and must be purchased separately.
- ¹¹ Internet service required and not included. Subscription required after 30 days.
- ¹² Laptops manufactured with recycled aluminum material in product cover. Percent of recycled aluminum varies by product.
- ¹³ Percentage of post-consumer recycled plastic contained in keycap varies by product.
- ¹⁴ Internet service required and not included.
- ¹⁵ 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 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.
- ¹⁶ The Flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights.

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.
- ⁴ 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. Available on select HP products. See <http://store.hp.com> for a full list of product features.
- ⁵ 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.
- ⁶ Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.
- ⁷ 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.
- ⁸ Wi-Fi® supporting gigabit speeds is achievable when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160 MHz channels.
- ⁹ Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.
- ¹⁰ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. 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.
- ¹¹ Wi-Fi 6 (802.11ax) is not supported in Ukraine, Russia, and Indonesia where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac).
- ¹² All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- ¹³ Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.
- ¹⁴ For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.
- ¹⁵ SuperSpeed USB 20Gbps is not available.
- ¹⁶ Reverting to LastPass basic after 30 days.
- ¹⁷ Must activate within 180 days of Windows activation.
- ¹⁸ 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.
- ¹⁹ Percentage of ocean-bound plastic contained in each component varies by product.
- ²⁰ Percentage of recycled metal varies by product.
- ²¹ Keyboard keycap contains post-consumer recycled plastic. Percentage of Post consumer recycled contained in each component varies by product.

