HP ENVY Laptop 17-ch0011nr

The power to create the way you want with accurate colors

The ENVY 17 Laptop gives you a large screen and more accurate colors along with the power and features to give you the freedom to create the way you want.

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

Power up your creativity
Unleash ideas and bring your creativity to life with a powerful Intel® Core™ Processor[1] and dazzling graphics.

Enhanced security features
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

Get a fresh perspective
Windows 11 provides a calm and creative space where you can pursue your passions through a fresh experience. From a rejuvenated Start menu, to new ways to connect to your favorite people, news, games, and content— Windows 11 is the place to think, express, and create in a natural way.[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.[3]

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.[4]

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

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.[5]

HP QuickDrop
Wirelessly transfer photos, videos, documents and more between your PC and mobile device.

Effortlessly connected
Enjoy a smoother wireless experience with a Wi-Fi CERTIFIED 6™ (2x2) and Bluetooth® 5 combo—all your connections are solid, with 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]

McAfee® LiveSafe™
Protect your operating system with a free 30-day McAfee® LiveSafe™ subscription.[9]

Make the most out of your 365.
Bring your ideas to life. Your creativity now gets a boost with Microsoft 365. Office - Word, Excel, and Power Point - now includes smart assistance features that help make your writing more readable, your data clearer and your presentations more visually powerful. Try Microsoft 365 for free. 1-month trial for new Microsoft 365 customers.[10]

PCIe NVMe™ M.2 SSD storage
Boot up in seconds with lightning fast speed with up to 1 TB 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.

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.

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

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.[11]

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.[12]

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Specifications

Performance

Operating system
Windows 11 Home[38]
Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. Upgrade timing may vary by device.
Features and app availability may vary by region. Certain features require specific hardware (see Windows 11 Specifications).

Processor family
11th Generation Intel® Core™ i7 processor

Processor
Intel® Core™ i7-1165G7 (up to 4.7 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores)[6,7]

Chipset
Intel® Integrated SoC

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

Number of user-accessible
0

Storage
1 TB PCIe® NVMe™ M.2 SSD
Optical drive not included

Graphics
Integrated: Intel® Iris® Xᵉ Graphics

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

Display
43.9 cm (17.3") diagonal, FHD (1920 x 1080), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, Corning® Gorilla® Glass NBT™, 300 nits, 100% sRGB[17]

Screen-to-body ratio
86.25%[18]

Power supply
65 W AC power adapter

Battery type
4-cell, 55 Wh Li-ion polymer [21]

Battery and Power
Up to 9 hours and 45 minutes[3]

Maximum battery life video playback
Up to 11 hours and 30 minutes[10]

Battery recharge time
Supports battery fast charge: approximately 50% in 30 minutes[5]

Connectivity

Wireless connectivity
Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo (Supporting Gigabit data rate)
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]

Expansion slots:
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 Support Assistant; HP BIOS Protection; HP QuickDrop; MyHP; OMEN Gaming Hub; HP Display Control [4,29,30]

Software
25 GB Dropbox storage for 12 months[1]; Alexa[28]; 1 month trial for new Microsoft 365 customers[24]

Service & support
McAfee LiveSafe™; 1-month Adobe free trial offer[2,25]

Additional information

Part Number
P/N: 450B5UA#ABA
UPC/EAN code: 195908956600

Energy efficiency compliance
ENERGY STAR® certified EPEAT® registered[27]

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
Unpackaged: 2.54 kg
Packaged: 3.6 kg

Dimensions (Width x Depth x Height)
Unpackaged: 39.9 x 25.9 x 1.99 cm
Packaged: 6.9 x 55.2 x 34.5 cm

Manufacturer Warranty
1-year limited hardware warranty. Additional information available at www.support.hp.com; 1-year limited technical support for software and initial setup (from date of purchase)[4,14]

Input devices
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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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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.

[3] 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.

[4] Full high-definition (FHD) content is required to view FHD images.

[5] The flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights.

[6] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi CERTIFIED 6™ (802.11ax) is backwards compatible with prior 802.11 specs. Wi-Fi CERTIFIED 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. Wi-Fi CERTIFIED 6™ (802.11ax) is not supported in Belarus where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac).

[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] Internet service required and not included. Subscription required after 30 days.

[10] 1-month free trial for new Microsoft® Office 365 customers. Credit card required and will not be billed until end of trial period. You can cancel anytime during trial period. Internet access is required and not included. See www.microsoft.com for full details.

[11] 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.

[12] Alexa home supported devices are not included and must be purchased separately.

Technical Specifications Footnotes

[1] 25 GB of free Dropbox storage 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 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] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited.

[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] 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.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost/ for more information.

[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] 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.

[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.

[20] SuperSpeed USB 20Gbps is not available.

[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.

[23] 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.

[24] Must activate within 180 days of Windows activation.

[25] 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.

[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.

[28] Alexa home supported devices are not included and must be purchased separately.

[29] HP BIOS Protection works with Windows 10 that ships with your PC.

[30] 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.

[38] 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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com

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

[40] Percentage of recycled metal varies by product.

[41] Keyboard keycap contains post-consumer recycled plastic. Percentage of Post consumer recycled contained in each component varies by product.