

HP Pavilion Gaming Laptop 15-ec2278ng



Game Ready. Performance Ready.

Sacrifice nothing with the thin and powerful HP Pavilion Gaming 15 Laptop. Experience high-grade graphics and processing power for gaming and multitasking, plus improved thermal cooling¹ for overall performance and stability. Immerse yourself in the game with a micro-edge bezel display and custom-tuned audio. The perfect balance between work and play, so you can do it all.



*Product image may differ from actual product



Power to do it all

Take on everything with a high performance AMD processor and advanced graphics. A FHD resolution display with fast refresh rate delivers smooth gameplay visuals, while also bringing entertainment and content to life.



Stay in the game

Game harder for longer on a laptop equipped with a dual fan system for enhanced thermal cooling¹. A wide rear vent and enlarged air inlets maximize airflow to optimize your overall performance and stability, keeping the machine cool during extended usage. Up your game with customizable performance options with OMEN Gaming Hub.



Daring design

Get lost in the game. A sleek micro-edge bezel display provides a maximum viewing experience while the front-firing speakers with Audio by B&O deliver powerful, custom-tuned sound.



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Featuring

Windows 10

Do great things confidently with the familiar feel of Windows - only better.²

AMD Ryzen™ 5000 H-Series Mobile Processors

Now you can enjoy elite gaming performance on a thin and light notebook with amazing battery life, thanks to the new AMD Ryzen™ 5000 H-Series Mobile Processors. Never compromise on your gaming laptop again.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

144 Hz FHD anti-glare display

Reduce frustrating lag and image ghosting with a display that combines a 144 Hz refresh rate, G-Sync support, and a 1080p resolution for smooth, crisp gameplay.⁵

PCIe SSD storage

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

Effortlessly connected

Enjoy ultra-fast gigabit data rate with a Wi-Fi 6 (2x2) and Bluetooth® 5.2 combo⁶

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.

SuperSpeed USB Type-C® 5Gbps signaling data rate

Plug in your external storage with this SuperSpeed USB Type-C® port, featuring 5Gbps signaling data rate. And it's reversible, so you never have to worry about plugging in upside down.⁷

HP True Vision HD Camera

Video chat in vibrant clarity, even in low light and make every conversation a face-to-face experience for a better way to stay in touch.⁸

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.

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.⁹

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.¹⁰

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

A truly powerful audio experience

HP Dual Speakers and audio custom-tuned in collaboration with the experts at B&O deliver rich, authentic audio. Let the sound move you.

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Specifications

Performance

Operating system

Windows 10 Home 64

Processor

AMD Ryzen™ 7 5800H (up to 4.4 GHz max boost clock, 16 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: 2

Memory slots used: 2 SODIMM memory slots

Maximum memory: Supports up to 16 GB max system memory

Storage

1 TB PCIe® NVMe™ TLC M.2 SSD

Optical drive not included

Dropbox¹

Graphics

Discrete: NVIDIA® GeForce RTX™ 3050 Ti Laptop GPU (4 GB GDDR6 dedicated) ;

Audio

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

Display

39.6 cm (15.6") diagonal, FHD (1920 x 1080), 144 Hz, IPS, micro-edge, anti-glare, 250 nits, 45% NTSC¹⁷

Screen-to-body ratio

79%¹⁸

Power

200 W Smart AC power adapter;

Battery type

3-cell, 52.5 Wh Li-ion polymer;

210 g;

Battery and Power

Up to 6 hours³;

Supports battery fast charge: approximately 50% in 45 minutes⁵

Maximum battery life video playback

Up to 9 hours and 15 minutes¹⁰

Connectivity

Network interface

Integrated 10/100/1000 GbE LAN

Wireless connectivity

Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)^{11,12,13,16}

MU-MIMO supported; Miracast compatible

Ports

1 SuperSpeed USB Type-C® 5Gbps signaling rate; 1 SuperSpeed USB Type-A 5Gbps signaling

rate; 1 USB 2.0 Type-A (HP Sleep and Charge); 1 HDMI 2.0; 1 RJ-45; 1 AC smart pin; 1

headphone/microphone combo¹⁹

1 multi-format SD media card reader

Webcam

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

Design

Product color

Shadow black, acid green chrome logo

Paint finish

Software

HP apps

HP 3D DriveGuard; HP Audio Switch; HP Connection Optimizer; HP CoolSense; 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 customers²⁴

Service & support

McAfee LiveSafe™²

Additional information

Part Number

P/N: 482LOEA #ABD

UPC/EAN code: 196068239718

Ecolabels

ENERGY STAR® certified; EPEAT® Silver registered

Weight

1.98 kg;

Packed: 2.93 kg

Weight Note: Weight varies by configuration

Dimensions

36 x 25.7 x 2.35 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, acid green backlit, shadow black keyboard with numeric keypad

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

Security management

Fingerprint reader not available

Sensors

Accelerometer

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Warranty services*



3-year pickup and return
U4819E

Key Selling Points Footnotes

¹ Thermal solution varies by configuration.

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>.
- 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. AMD's numbering is not a measurement of clock speed.
- ⁴ Full high-definition (FHD) content is required to view FHD images.
- ⁵ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- ⁶ 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.
- ⁷ Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum.
- ⁸ Features may require software or other 3rd party applications to provide the described functionality.
- ⁹ Internet service required and not included. Subscription required after 30 days.
- ¹⁰ 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.
- ¹¹ 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.
- ¹¹ 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.
- ¹² Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.
- ¹³ 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.
- ¹⁶ 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).
- 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.
- 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.

