

HP Pavilion Gaming Laptop 15-ec1020nc



Game ready. Performance ready.

Sacrifice nothing with the thin and powerful HP Pavilion Gaming 39.6 cm (15.6") Laptop. Experience high-grade graphics and processing power for gaming and multitasking, plus improved thermal cooling 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 an AMD Ryzen™ 4000 Series Mobile high performance processor and NVIDIA® graphics. A Full HD 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 corner vent and enlarged air inlets maximize airflow to optimize your overall performance and stability, keeping the machine cool during extended usage.



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

Enhanced thermal solution

The latest in heat management brings you an enhanced heat-pipe design, stabilizing your work and play in a cooling environment.¹⁴

Sleek design

Easily take this thin and light PC from room to room or on the road. When your PC goes wherever you go, staying productive and entertained has never been easier.

An exceptionally rich 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.¹⁵

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Specifications

Performance

Operating system

Windows 10 Home 64

Processor

AMD Ryzen™ 5 4600H (3.0 GHz base clock, up to 4.0 GHz max boost clock, 8 MB L3 cache, 6 cores)^{6,7}

Processor family: AMD Ryzen™ 5 processor

Chipset

AMD Integrated SoC

Memory

8 GB DDR4-3200 MHz RAM (2 x 4 GB)

Transfer rates up to 3200 MT/s.

Number of User-accessible Memory Slots: 2

Storage

512 GB PCIe® NVMe™ M.2 SSD

Optical drive not included

Graphics

Discrete: NVIDIA® GeForce® GTX 1650 Ti (4 GB GDDR6 dedicated) ; Powered by NVIDIA Turing™ GPU architecture

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

150 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 hours¹⁰

Connectivity

Network interface

Integrated 10/100/1000 GbE LAN

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® 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 combo ¹⁹

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, chrome logo

Paint finish

Software

HP apps

HP 3D DriveGuard; HP Audio Switch; HP CoolSense; HP JumpStart; HP Support Assistant; OMEN Gaming Hub

Software

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: 46X87EA #BCM

UPC/EAN code: 196068135195

Ecolabels

ENERGY STAR® certified; EPEAT® Silver registered ²⁷

Weight

Starting at 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

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, ghost white 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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Recommended accessories

* Not included.



HP Pavilion Gaming Headset 400
4BX31AA



HP Pavilion Gaming Mouse Pad 400
5JH72AA



HP Pavilion Gaming Backpack 500
6EU58AA



3-year return to depot
UK190E

Key Selling Points Footnotes

¹ Thermal solution varies by configuration.

Feature Messaging Footnotes

¹⁴ Thermal solution varies by configuration.

¹⁵ 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 HP Sleep and Charge requires USB Type-A/Type-C charging protocol standard cable or dongle with external device for full functionality.

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.

