

# HP Pavilion Gaming Laptop 15-ec0002na



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.



### Power to do it all

Take on everything with a high performance processor and advanced 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 cooling<sup>1</sup>. A wide rear 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

### Windows 10

Do great things confidently with the familiar feel of Windows - only better.<sup>2</sup>

### AMD Ryzen™ 5 Processor

Tap into truly impressive notebook performance. A revolutionary new architecture with amazing battery life that delivers exceptional multi-threaded processing and Vega graphics for intensive multimedia tasks.<sup>3</sup>

### Anti-glare panel

Enjoy the sun and your favorite content with this anti-glare panel. Non-reflective and low gloss means you'll get less glare while you're outside.

### PCIe SSD storage

Available in capacities up to 256 GB, PCIe-based flash storage is up to 17x faster than a traditional 5400-rpm laptop hard drive.<sup>4</sup>

### NVIDIA® GeForce® GTX 1650 graphics

With the all-new NVIDIA Turing™ architecture, gaming and streaming will never be the same. Get all the power you need for fast, smooth, power-efficient performance from NVIDIA® GeForce® GTX 1650.

### AMD Radeon™ Vega graphics

Thrill your visual senses with the latest AMD graphics compute engines for fast, powerful, and fluid graphics. Combine with the latest multimedia for incredible performance.

### USB-C™

Plug in your external storage with this USB-C™ port, featuring 5 Gb/s signaling rate. And it's reversible, so you never have to worry about plugging in upside down.<sup>5</sup>

### HP TrueVision 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.<sup>6</sup>

### 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.

### Wi-Fi 5 (2x2) & Bluetooth® 5.0

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.<sup>7</sup>

### 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.<sup>8</sup>

### HP 3D DriveGuard

Your PC's data stays safe from accidental bumps and bruises with HP 3D DriveGuard. It senses motion and locks your spinning hard drive, so a single bump won't delete your entire digital life.

### Enhanced thermal solution

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

### 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.

### 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.

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## Specifications

### Performance

#### Operating system

Windows 10 Home 64

#### Processor

AMD Ryzen™ 5 3550H (2.1 GHz base clock, up to 3.7 GHz max boost clock, 4 MB L3 cache, 4 cores)<sup>6,7</sup>

Processor family: AMD Ryzen™ 5 processor

#### Chipset

AMD Integrated SoC

#### Memory

8 GB DDR4-2400 SDRAM (2 x 4 GB)

Transfer rates up to 2400 MT/s.

#### Storage

256 GB PCIe® NVMe™ M.2 SSD

Optical drive not included

#### Graphics

Discrete: NVIDIA® GeForce® GTX 1650 Graphics (4 GB GDDR5 dedicated) ;

Powered by NVIDIA Turing™ GPU architecture

#### Audio

Audio by B&O; Dual speakers; HP Audio Boost 1.0

#### Display

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

#### Screen-to-body ratio

79%

#### Power

150 W Smart AC power adapter;

#### Battery type

3-cell, 52.5 Wh Li-ion;

210 g;

#### Battery and Power

Up to 11 hours and 15 minutes<sup>3</sup>;

Supports battery fast charge: approximately 50% in 45 minutes<sup>5</sup>

#### Maximum battery life video playback

Up to 10 hours<sup>10</sup>

### Connectivity

#### Network interface

Integrated 10/100/1000 GbE LAN

#### Wireless connectivity

Realtek 802.11 b/g/n/ac (2x2) and Bluetooth® 5 combo <sup>14</sup>

MU-MIMO supported; Miracast compatible

#### Ports

1 USB 3.1 Gen 1 Type-C™ (Data Transfer Only, 5 Gb/s signaling rate); 1 USB 3.1 Gen 1 Type-A

(Data Transfer Only); 1 USB 2.0 Type-A (HP Sleep and Charge); 1 AC smart pin; 1 HDMI 2.0; 1

headphone/microphone combo; 1 RJ-45

1 multi-format SD media card reader

#### Webcam

HP TrueVision 720p HD camera with integrated dual array digital microphone

### Design

#### Product color

Shadow black, green chrome logo

Paint finish

### Software

#### HP apps

HP 3D DriveGuard; HP Audio Switch; HP CoolSense; HP JumpStart; HP Support Assistant

#### Software

Netflix;

1 month trial for new Microsoft Office 365 customers

#### Service & support

McAfee LiveSafe™ 2

### Additional information

#### Part Number

P/N: 7VU82EA #ABU

UPC/EAN code: 194721375605

#### Energy efficiency compliance

ENERGY STAR® certified; EPEAT® Silver registered

#### Weight

2.25 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 limited parts, labour, and pickup and return service; You can expand the warranty coverage of your product to reach up to 3 years in total; for more information go to the "Options and accessories" web section on hp.com product pages.

#### Keyboard

Full-size, island-style, 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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## Recommended accessories

\* Not included.



HP Pavilion Gaming Keyboard 500  
3VN40AA



HP Pavilion Gaming Headset 400  
4BX31AA



HP Pavilion Gaming Headset 600  
4BX33AA



3-year pickup and return  
U4819E

## Warranty services\*

## Key Selling Points Footnotes

<sup>1</sup> Thermal solution varies by configuration.

## Feature Messaging Footnotes

<sup>2</sup> 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>.

<sup>3</sup> 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.

<sup>4</sup> Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD

<sup>5</sup> USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum.

<sup>6</sup> Features may require software or other 3rd party applications to provide the described functionality.

<sup>7</sup> 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.

<sup>8</sup> 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](http://www.dropbox.com). Internet service required and not included.

<sup>14</sup> Thermal solution varies by configuration.

## Technical Specifications Footnotes

<sup>1</sup> 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.

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

<sup>3</sup> Windows 10 MobileMark 14 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-2014/> for additional details.

<sup>5</sup> 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.

<sup>6</sup> 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.

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

<sup>10</sup> 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.

<sup>14</sup> 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.

