

# HP Pavilion Gaming Laptop 15-ec2036nu (598G6EA)



## 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 cooling<sup>[1]</sup> 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 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

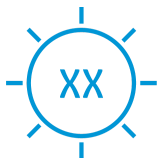
Game harder for longer on a laptop equipped with a dual fan system for enhanced thermal cooling<sup>[1]</sup>. A wide rear vent and enlarged air inlets maximize airflow to optimize your overall performance and stability, keeping the machine cool during extended usage. Up your game with customizable performance 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.



1080p



SSD



### Featuring

#### AMD Ryzen™ 7 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>[2]</sup>

#### 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. <sup>[3]</sup>

#### Visibly brilliant detail

With 300 nits of brightness, view beautiful details, enhanced image quality, and distinct shades of color—even in bright lighting conditions. <sup>[4]</sup>

#### PCIe SSD storage

Boot up in seconds with lightning fast speed with up to 512 GB PCIe SSD storage.

#### Effortlessly connected

Enjoy ultra-fast gigabit data rate with a Wi-Fi 6 (2x2) and Bluetooth® 5.2 combo <sup>[5]</sup>

## Specifications

|                                       |  |
|---------------------------------------|--|
| <b>Operating system</b>               | FreeDOS  |
| <b>Product color</b>                  | Shadow black, acid green chrome logo   |
| <b>Processor family</b>               | AMD Ryzen™ 7 processor   |
| <b>Processor</b>                      | AMD Ryzen™ 7 5800H (up to 4.4 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) <sup>[6,7]</sup>   |
| <b>Chipset</b>                        | AMD Integrated SoC   |
| <b>Memory</b>                         | 8 GB DDR4-3200 MHz RAM (2 x 4 GB)  |
| <b>Memory Slots</b>                   | 2 SODIMM memory slots  |
| <b>Internal Storage</b>               | 512 GB PCIe® NVMe™ M.2 SSD   |
| <b>Product design</b>                 | Paint finish   |
| <b>Optical drive</b>                  | Optical drive not included   |
| <b>Graphics</b>                       | Discrete   |
| <b>Graphics (discrete)</b>            | NVIDIA® GeForce RTX™ 3050 Laptop GPU (4 GB GDDR6 dedicated)  |
| <b>Graphics</b>                       | Integrated   |
| <b>Graphics (integrated)</b>          | AMD Radeon™ Graphics   |
| <b>Display</b>                        | 39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, micro-edge, anti-glare, 300 nits, 72% NTSC   |
| <b>Display</b>                        | 15.6" diagonal, FHD (1920 x 1080), IPS, micro-edge, anti-glare, 300 nits, 72% NTSC   |
| <b>Display size (diagonal)</b>        | 39.6 cm (15.6")  |
| <b>Display size (diagonal)</b>        | 15.6"  |
| <b>Audio</b>                          | Audio by B&O; Dual speakers; HP Audio Boost  |
| <b>Minimum dimensions (W x D x H)</b> | 36 x 25.7 x 2.35 cm<br><i>(Dimensions vary by configuration)</i>   |
| <b>Minimum dimensions (W x D x H)</b> | 14.17 x 10.12 x 0.93 in  |
| <b>Weight</b>                         | Starting at 1.98 kg<br><i>(Weight varies by configuration)</i>   |
| <b>Weight</b>                         | Starting at 4.37 lb  |
| <b>Keyboard</b>                       | Full-size, acid green backlit, shadow black keyboard with numeric keypad   |
| <b>Pointing device</b>                | HP Imagepad with multi-touch gesture support; Precision Touchpad Support   |
| <b>Input devices</b>                  | Accelerometer  |
| <b>Camera</b>                         | HP True Vision 720p HD camera with integrated dual array digital microphones   |
| <b>Ports</b>                          | 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 <sup>[19]</sup> |
| <b>Expansion slots</b>                | 1 multi-format SD media card reader  |
| <b>Package dimensions (W x D x H)</b> | 6.9 x 52 x 30.5 cm   |
| <b>Package weight</b>                 | 2.93 kg  |
| <b>Network interface</b>              | Integrated 10/100/1000 GbE LAN   |
| <b>Wireless</b>                       | Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)  |
| <b>Power supply type</b>              | 200 W Smart AC power adapter   |
| <b>Battery type</b>                   | 3-cell, 52.5 Wh Li-ion polymer   |
| <b>Battery life</b>                   | Up to 8 hours <sup>[3]</sup>   |
| <b>Battery recharge time</b>          | Supports battery fast charge: approximately 50% in 45 minutes <sup>[5]</sup>   |
| <b>Battery weight</b>                 | 0.46 lb  |
| <b>Battery weight</b>                 | 210 g  |
| <b>UPC number</b>                     | 196337372900   |

## Top Recommended Displays, Accessories and Services

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### HP Home Monitors

|                            |         |
|----------------------------|---------|
| HP X24ih Gaming Monitor    | 13L82AA |
| HP X24ih Gaming Monitor    | 2W924AA |
| HP X24ih Gaming Monitor    | 2W925AA |
| HP X27q QHD Gaming Monitor | 2V7U3AA |

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### HP Value Displays

|                        |         |
|------------------------|---------|
| HP X24c Gaming Monitor | 13Q95AA |
| HP X24c Gaming Monitor | 9EK40AA |
| HP X24c Gaming Monitor | 9FM22AA |

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### Backpacks

|                                 |         |
|---------------------------------|---------|
| HP Pavilion Gaming Backpack 500 | 6EU58AA |
| HP Pavilion Gaming Backpack 300 | 6EU56AA |

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### Keyboards

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|---------------------------------|---------|
| HP Pavilion Gaming Keyboard 800 | 5JS06AA |
| HP Pavilion Gaming Keyboard 550 | 9LY71AA |

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### Mice

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|----------------------------------|---------|
| HP Pavilion Gaming Mouse 300     | 4PH30AA |
| HP Pavilion Gaming Mouse Pad 400 | 5JH72AA |
| HP Pavilion Gaming Mouse 200     | 5JS07AA |
| HP Pavilion Gaming Mouse Pad 300 | 4PZ84AA |

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### Power Adapters

|                                     |         |
|-------------------------------------|---------|
| HP Pavilion High Power Adapter 150W | 2DR33AA |
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### Cable Adapters

|                       |         |
|-----------------------|---------|
| HP USB-C to USB-A Hub | Z6A00AA |
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### Headsets

|                                  |         |
|----------------------------------|---------|
| HP X1000 Wireless Gaming Headset | 7HC43AA |
| HP Pavilion Gaming Headset 400   | 4BX31AA |

## Messaging Footnotes

[1] Thermal solution varies by configuration.

[2] 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.

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

[4] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

[5] 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.

## Technical Specifications Footnotes

[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.

[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.

[19] For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.

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