

# HP Pavilion Gaming 790 Desktop PC



## A powerful desktop PC that delivers the performance to play

The HP Pavilion Gaming Desktop is all about smooth performance and crisp graphics wrapped up in a bold design. This PC offers the latest technology plus the ability to upgrade, keeping performance up-to-date. Get ready to play in powerful style today and for years to come. Tuned and tested for optimal VR performance right out of the box.<sup>3</sup>



Shadow Black



High Performance



Immersive Experience



LED Lighting

### Powerful graphics and processors

Get lost in fluid gameplay and smooth visuals. With up to NVIDIA® GeForce® GTX 1080 or AMD® Radeon™ RX 580, Unleash the full potential of your PC with the latest Hexa-core Intel® Core™ i5 and i7 processors<sup>1</sup>, and up to 64GB of DDR4 RAM.

### Ready for VR and MR

We've stressed the hardware and drivers with the most intensive games to ensure rock-solid performance and high-definition graphics, for a smooth VR and MR experience right out of the box<sup>2</sup>

### Bold, standout design

With a distinct 3D two tone angular bezel, brushed hairline finishing, and green LED lighting, this desktop is built to make a statement. To complement it all, it has 11 USB ports, and the interior expansion slots offer support for up to quad storage options, and lets you upgrade your graphics card, memory, and more to keep performance up-to-date.

<sup>1</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. Intel's numbering, branding and/or naming is not a measurement of higher performance. <sup>2</sup> Requires minimum NVIDIA® GTX 970 or AMD® R9 390X graphics card, Intel® Core™ i5 processor, and 8GB RAM. All other system components must be VR capable. <sup>3</sup> Requires minimum NVIDIA® GTX 970 or AMD® R9 390X graphics card, Intel® Core™ i5 processor, and 8GB RAM. All other system components must be VR capable.

## Features



### USB-C™<sup>1,2</sup>

Power your device or transfer up to 10Gbps of data, all from just one USB-C™ port. And it's reversible, so you never have to worry about plugging in upside down.



### MU-MIMO AC WiFi and Bluetooth®

If you have several MU-MIMO devices in your home, MU-MIMO support works in combination with a MU-MIMO router to maximize network traffic for a smoother online experience.



### 5.1 Surround Sound output

With all the necessary ports for true 5.1 surround sound, give your favorite movies, shows, or music more nuanced, immersive sound quality, just by hooking up a Surround Sound speaker setup.



### DisplayPort<sup>3</sup>

This robust digital video and audio port transmits up to higher performance content, and allows you to connect multiple displays together.



### Up to NVIDIA® GeForce® GTX 1080 graphics

With the advanced NVIDIA® Pascal™ architecture, get the raw performance needed to power the latest in VR, incredible 4K gaming content, and multiple ultra-high resolution monitors. You've never experienced anything like it.<sup>4</sup>



### 8th Generation Intel® Core™ processor

Upgrade performance with smooth system responsiveness and fast load times for an exceptional PC experience. Supporting resolution up to stunning 4K, stream premium content or even create your own.<sup>5</sup>



### Quad Storage Bays

The latest AAA games eat up storage fast. Easily maneuver your content with up-to 1x SSD bay and 3x HDD bays.<sup>6</sup>



### Up to 64GB DDR4 2666Mhz

Designed to run more efficiently and more reliably at faster speeds, DDR4 is the future of RAM. With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.<sup>5</sup>



### 11x USB ports (including Type-C)

With the world's most popular USB connection, you can easily connect any of your existing USB devices without worrying about compatibility.



### VR and MR ready

We've stressed the hardware and drivers with the most intensive games to ensure rock-solid performance and high-definition graphics, for a smooth VR and MR experience right out of the box.<sup>7</sup>



### Up to 500W Power Supply Unit

High-performance hardware demands a power supply that can keep up. Easily power up-to NVIDIA® GeForce® GTX 1080, multiple storage bays and more.

<sup>1</sup> Transfer rate may vary. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. <sup>2</sup> USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum. <sup>3</sup> 8K content required to view 8K images. <sup>4</sup> Minimum Intel®™ i5 and 8GB RAM with VR-capable components required for VR functionality. <sup>5</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. Intel's numbering is not a measurement of higher performance. 4K content required to view full 4K images. System loading time and responsiveness dependent upon product configuration. <sup>6</sup> For hard drives, TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of hard drive is reserved for system recovery software. <sup>7</sup> Requires minimum NVIDIA® GTX 970 or AMD® R9 390X graphics card, Intel® Core™ i5 processor, and 8GB RAM. All other system components must be VR capable. <sup>8</sup> Configuration may change by model.



## Technical specifications

<b>Operating System<sup>1</sup></b>	Windows 10 Home (64 bit) FreeDOS 2.0		
<b>Processor<sup>6</sup></b>	Intel® Core™ i7 + 8700 (up-to 4.6 GHz Intel® Turbo Boost <sup>7</sup> ) Hexa-Core CPU Intel® Core™ i5 + 8400 (up-to 4.0 GHz Intel® Turbo Boost <sup>7</sup> ) Hexa-Core CPU Intel® Core™ i7-8700 (up-to 4.6 GHz Intel® Turbo Boost <sup>7</sup> ) Hexa-Core CPU Intel® Core™ i5-8400 (up-to 4.0 GHz Intel® Turbo Boost <sup>7</sup> ) Hexa-Core CPU		
<b>Architecture</b>	Coffee Lake H370 (65W)		
<b>Graphics</b>	NVIDIA® GeForce® GTX 1080 (8GB GDDR5 dedicated) VR Ready Graphics NVIDIA® GeForce® GTX 1070 (8GB GDDR5 dedicated) VR Ready Graphics NVIDIA® GeForce® GTX 1060 (6GB GDDR5 dedicated) VR Ready Graphics NVIDIA® GeForce® GTX 1060 (3GB GDDR5 dedicated) VR Ready Graphics AMD Radeon™ RX 580 (8GB GDDR5 dedicated) VR Ready Graphics AMD Radeon™ RX 580 (4GB GDDR5 dedicated) VR Ready Graphics Intel® UHD 630 Graphics		
<b>Memory</b>	Up-to 64GB DDR4 RAM (4x 16GB)		
<b>Intel® Optane™</b>	16GB Intel® Optane™ memory for storage acceleration (HDD combination only)		
<b>Storage</b>	Up-to 512GB M.2 PCIe SSD + Up-to 3x 3TB 7200rpm HDD Up-to 512GB M.2 PCIe SSD Up-to 3TB 7200rpm HDD		
<b>Networking<sup>2,5</sup></b>	AC 2x2 MU-MIMO 802.11 Wi-Fi® & Bluetooth® 4.2 Combo AC 1x1 MU-MIMO 802.11 Wi-Fi® & Bluetooth® 4.2 Combo 10/100/1000 LAN RJ45 Ethernet		
<b>Optical Drive<sup>3</sup></b>	Optional DVD-Writer <sup>3</sup>		
<b>I/O ports<sup>2</sup></b>	Front: 1x USB 3.1 Gen2 Type-C™ (10Gbps) / 2x USB 3.1 Gen2 Type-A (10Gbps) / 2x USB 3.1 Gen1 Type-A 1x Audio Combo Jack / 1x Media Memory Card Reader Rear: 4x USB 3.1 Gen1 Type-A / 2x USB 2.0 Type-A / 1x DisplayPort / 1x HDMI v2.0 (HDCP 2.2) 1x RJ45 / 3x 5.1 Audio Ports / 1x Kensington Security Lock Slot		
<b>Keyboard / Mouse</b>	3 Zone with Shortcut Keys Wireless (Nano dongle) Keyboard & Mouse 3 Zone with Shortcut Keys Wired Keyboard & Mouse Wired Keyboard & Mouse No Keyboard & Mouse		
<b>Power</b>	500 W internal Power supply 400 W internal Power supply		
<b>Memory Card Reader</b>	Media Memory Card Reader		
<b>Security</b>	Kensington Security Lock Slot TPM 2.0 Firmware		
<b>Software<sup>4</sup></b>	<b>Multimedia &amp; Entertainment</b> CyberLink Power Media Player* Dropbox* HP ePrint HP Audio Stream	<b>Support &amp; Security</b> ENERGY STAR McAfee LiveSafe™ (30 days trial) HP Documentation HP JumpStart HP Recovery Manager HP Support Assistant HP System Event Utility	<b>Productivity &amp; Lifestyle</b> HP Audio Switch HP Connection Optimizer
<b>Dimensions (mm)/Weight (kg)</b>	154 mm (W) x 365 mm (D) x 369 mm (H) 8.6 Kg		



<sup>1</sup> Not all features are available in all editions or versions of Windows 10. 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 [microsoft.com](https://www.microsoft.com) <sup>2</sup> Some models may not feature all the listed components and vary depending on configuration. <sup>3</sup> High Definition content (e.g. WMV HD files) is required to view high definition images. Most current DVDs do not provide high definition images. Don't copy copyright protected materials. <sup>4</sup> Software may vary in different countries. <sup>5</sup> Wireless access point and Internet service required and not included. Availability of public wireless access points limited. <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. AMD and Radeon are trademarks of Advanced Micro Devices, Inc. <sup>7</sup> Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See [intel.com/technology/turboboost](https://www.intel.com/technology/turboboost) for more information. Burst frequency performance varies depending on hardware, software and overall system configuration. \* For HP Consumer Desktop PCs with DVD. Not available for China

## Recommended Accessories

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### HP Pavilion Gaming Keyboard 500 (3VN40AA)

**Black**

Maximize potential with a mechanical keyboard engineered to deliver speed with every stroke. Equipped with Red switches, every key press provides lightning-fast response times—taking your work and play to unmatched levels.

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### HP Pavilion Gaming 32 HDR Display (3BZ12AA/4AJ85AA)

**(Shadow Black/Acid Green)**

The HP Pavilion Gaming 32 HDR Display delivers incredibly smooth, life-like visuals—whether you're gaming, watching videos, or editing photos. Indulge in high contrast colors and captivating definition with advanced DisplayHDR™ 6001, while AMD® FreeSync™ technology<sup>2</sup> makes stutter and input lag ancient history.



### HP Pavilion Gaming Headset 400 (4BX31AA/4BX32AA)

**(Green/Black)**

Step your gaming and entertainment up a notch with high-quality stereo sound<sup>1</sup> and the sleek, signature look of Pavilion Gaming. Designed to amplify your games, music, and movies—this comfortable headset packs a serious punch. With superb acoustics and crystal-clear sound, get ready for an immersive audio experience.

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### HP Pavilion Gaming Mouse 300 (4PH30AA/4PH31AA)

**(Black)**

Designed to up the way you work and game, this ambidextrous mouse feels perfectly natural whether you're right or left handed. It has a 5,000 DPI optical sensor for increased precision and the ability to adjust settings on-the-fly. Includes rubber grips on both sides for extra comfort.



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