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.[3]

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[1], 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[2]

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.

[1] 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. [2] 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. [3] 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™[1,2]
Power your device or transfer up to 10Gbs of data, all from just one USB-C™ port. And it's reversible, so you never have to worry about plugging in upside down.

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.

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.[4]

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.[6]

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.

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.

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.

DisplayPort[3]
This robust digital video and audio port transmits up to higher performance content, and allows you to connect multiple displays together.

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.[5]

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.[5]

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.[7]

Technical specifications

Operating System[1]	Windows 10 Home (64 bit) FreeDOS 2.0
Processor[6]	Intel® Core™ i7+ 8700 (up-to 4.6 GHz Intel® Turbo Boost[7]) Hexa-Core CPU Intel® Core™ i5+ 8400 (up-to 4.0 GHz Intel® Turbo Boost[7]) Hexa-Core CPU Intel® Core™ i7-8700 (up-to 4.6 GHz Intel® Turbo Boost[7]) Hexa-Core CPU Intel® Core™ i5-8400 (up-to 4.0 GHz Intel® Turbo Boost[7]) Hexa-Core CPU
Architecture	Coffee Lake H370 (65W)
Graphics	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
Memory	Up-to 64GB DDR4 RAM (4x 16GB)
Intel® Optane™	16GB Intel® Optane™ memory for storage acceleration (HDD combination only)
Storage	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
Networking[2, 5]	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
Optical Drive[3]	Optional DVD-Writer[3]
I/O ports[2]	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
Keyboard / Mouse	3 Zone with Shortcut Keys Wireless (Nano dongle) Keyboard & Mouse 3 Zone with Shortcut Keys Wired Keyboard & Mouse Wired Keyboard & Mouse No Keyboard & Mouse
Power	500 W internal Power supply 400 W internal Power supply
Memory Card Reader	Media Memory Card Reader
Security	Kensington Security Lock Slot TPM 2.0 Firmware
Software[4]	**Multimedia & Entertainment** CyberLink Power Media Player* Dropbox* HP ePrint HP Audio Stream **Support & Security** ENERGY STAR McAfee LiveSafe™ (30 days trial) HP Documentation HP JumpStart HP Recovery Manager HP Support Assistant HP System Event Utility **Productivity & Lifestyle** HP Audio Switch HP Connection Optimizer
Dimensions (mm)/Weight (kg)	154 mm (W) x 365 mm (D) x 369 mm (H) 8.6 Kg

Care Pack

Recommended Accessories

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.

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® FreeSyncTM technology2 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 sound1 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.

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.