

# HP Pavilion Gaming Desktop 690-0020



## Packs power. Strikes fear.

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.

### Product overview

- **Powerful graphics:** Get lost in fast, ultra-smooth gameplay and unreal virtual reality. With AMD Radeon™ RX 580 graphics, lag and slowdowns are a thing of the past.
- **High-speed performance:** Unleash the full potential of your PC with an AMD Ryzen™ processor and 8 GB of DDR4 RAM.
- **Bold, standout design:** With a distinct angular bezel, brushed finishing, and green LED lighting this desktop is built to make a statement. To complement it all, interior expansion slots let you upgrade your graphics card, memory, and more to keep performance up-to-date.

### Key specifications

- **Operating system:** Windows 10 Home<sup>(1)</sup>
- **Processor:** AMD Ryzen™ 5 2400G Processor<sup>(2a)</sup>
- **Memory:** 8 GB DDR4-2666 SDRAM memory<sup>(3)</sup> (1 x 8 GB)
- **Internal Storage:** 1 TB 7200RPM SATA hard drive<sup>(4b)</sup>
- **Graphics:** AMD Radeon™ RX 580 graphics card with 4 GB GDDR5 dedicated memory
- **Mouse and keyboard:** HP black wired keyboard with volume control and wired optical mouse
- **Optical drive:** DVD-Writer<sup>(6a)</sup>
- **USB ports:** 9 (2 x 2.0, 6 x 3.1, 1 x 3.1 Type-C™)<sup>(42)</sup>
- **Wireless:** Wireless LAN 802.11a/b/g/n/ac (1x1) and Bluetooth® 4.2 M.2<sup>(19a)(26)</sup>
- **Warranty:** 1-year limited hardware warranty

### Product features

- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows - only better.<sup>(1)</sup>
- **AMD Radeon™ RX 580 graphics:** High resolutions and smooth VR gameplay optimized with Polaris architecture and DirectX 12 performance.<sup>(73)</sup>
- **AMD Ryzen™ 5 processor:** Tap into truly awesome desktop performance. Up to 4 cores, 8 threads, and a revolutionary new architecture combine for a CPU that easily handles AAA games, no matter how demanding.
- **Hard drive storage:** Grow your digital collections and still have room left over.
- **DDR4 RAM:** With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.
- **HDMI out:** Transmit digital HD video and sound to an external display.
- **USB-C™:** Charge, transfer data at 5Gbps, or connect a display from one reversible port.<sup>(4)(1)(42)</sup>
- **Re-writable DVD drive:** Watch and write DVDs using the integrated optical drive.<sup>(6a)</sup>
- **5.1 surround sound output:** All the necessary ports for truly immersive sound quality with 5.1 surround sound.
- **VR ready:** Tuned and tested for optimal VR performance right out of the box.<sup>(73)</sup>
- **802.11 a/c (1x1) WLAN & Bluetooth® 4.2:** Stay connected to Wi-Fi and to Bluetooth® accessories with wireless technology up to 3 times faster than 802.11n 1x1.<sup>(1)(8)(19a)(26)</sup>
- **Dropbox cloud storage:** If you don't have it today, sign up to get 25 GB of Dropbox space free for 12 months with your HP device.<sup>(22)</sup>
- **McAfee LiveSafe™:** Protect your operating system with a free 30-day McAfee LiveSafe™ trial.<sup>(6)</sup>

### Energy efficiency your way

HP is committed to global citizenship and environmental responsibility. Do the environment—and your wallet—a favor when you use the HP Pavilion Gaming Desktop that meets strict energy-efficiency and helps reduce your carbon footprint.

- ENERGY STAR® certified<sup>(62)</sup>
- EPEAT® Silver registered<sup>(27)</sup>

### Warranty and support

Our Customer Support Team consistently provides quick, responsive assistance in the U.S., Canada and Latin America.

#### Included with your product:

- **HP's Hardware Limited Warranty:** Full warranty details are included with your product.
- **Technical Support for Software & initial set-up:** Complimentary Limited Technical Support, including initial setup support, is available from HP via multiple contact methods for 90 (ninety) days from date of purchase.

#### Support Options:

- **HP Support Assistant - HPSA:** Optimized to enhance your support experience. Help for your PC and HP printers whenever you need it.<sup>(56)(57)</sup>
- **Online Support:** For technical support with this product, visit HP Customer Support <http://support.hp.com>.<sup>(10)</sup>
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Forum at [hp.com/go/supportforum](http://hp.com/go/supportforum), on Twitter at [twitter.com/HPSupport](https://twitter.com/HPSupport), and Facebook at [facebook.com/HPSupport](https://facebook.com/HPSupport).<sup>(10)</sup>

#### Extend your coverage:

- **SmartFriend, part of HP Care:** Experts are available 24/7 to handle any tech issue, on any device, from any brand. Visit [www.hp.com/go/smartfriend](http://www.hp.com/go/smartfriend) to learn more or call toll-free 1.844.814.1800 to get started.<sup>(95)</sup>
- **Care Packs:** Extend protection beyond the standard limited warranty. For more info, visit [www.hp.com/go/cpc](http://www.hp.com/go/cpc) or call toll-free at 1.877.232.8009.<sup>(83)</sup>



## Specifications

<b>Operating system</b>	• Windows 10 Home <sup>(1)</sup>
<b>Processor</b>	• AMD Ryzen™ 5 2400G Processor <sup>(2a)</sup> • Quad-Core
<b>Processor speed</b>	• 3.60 GHz <sup>(2a)</sup>
<b>Cache</b>	• 6 MB Cache
<b>Memory</b>	• 8 GB DDR4-2666 SDRAM memory <sup>(3)</sup> (1 x 8 GB) (expandable to 32 GB (2 x 16 GB))
<b>Internal storage</b>	• 1 TB 7200RPM SATA hard drive <sup>(4b)</sup>
<b>Finish</b>	• HP finish in shadow black with a brushed hairline pattern
<b>Optical drive</b>	• DVD-Writer <sup>(6a)</sup>
<b>Video graphics</b>	• AMD Radeon™ RX 580 graphics card with 4 GB GDDR5 dedicated memory
<b>Network interface</b>	• 10/100/1000 Base-T Network <sup>(23)</sup>
<b>Wireless connectivity</b>	• Wireless LAN 802.11a/b/g/n/ac (1x1) and Bluetooth® 4.2 M.2 <sup>(15a)(26)</sup>
<b>Sound</b>	• 5.1 surround sound
<b>Memory slots</b>	• 2 DIMM (288-pin) (occupied)
<b>Expansion slots</b>	• 1 PCI-E x1 (available) • 1 PCI-E x16 (occupied) • 2 M.2 (one available)
<b>Expansion bays</b>	• HDD: 1 x 3.5" (occupied) + 1 x 2.5" (available) • ODD: 1 x 9.5 mm slim (occupied)
<b>Memory card reader</b>	• HP 3-in-1 Media Card Reader—Supports SD, SDHC, SDXC.
<b>External ports</b>	• Headphone/Microphone Combo • Front I/O: 2 USB 3.1 Gen 2, 1 USB 3.1 Gen 1 Type-C™ <sup>(42)</sup> • Rear: 2 USB 2.0, 4 USB 3.1 Gen 1 • HDMI • 3 DisplayPort™ <sup>(50)</sup>
<b>Multi-display capable</b>	• DisplayPort™ <sup>(50)</sup> and HDMI capabilities, with AMD Eyefinity multi-monitor technology and support for Microsoft® DirectX® 12
<b>Mouse and keyboard</b>	• HP black wired keyboard with volume control and wired optical mouse
<b>Power supply</b>	• 400 W internal power supply
<b>Dimensions</b>	• <b>Unpackaged:</b> 11.02 in (L) x 6.69 in (W) x 13.30 in (H) approx. • <b>Packaged:</b> 19.65 in (L) x 15.35 in (W) x 11.46 in (H) approx.
<b>Weight</b>	• <b>Unpackaged:</b> 11.35 lb approx. • <b>Packaged:</b> 17.64 lb approx.
<b>Warranty and support</b>	• 1-year limited hardware warranty. Additional information available at <a href="http://www.support.hp.com">www.support.hp.com</a> • 90 days limited technical support for software and initial setup (from date of purchase) <sup>(53)</sup>

## Learn more at [hp.com](http://hp.com)

<sup>(1)</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>(2a)</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, Radeon and Ryzen are trademarks of Advanced Micro Devices, Inc. <sup>(3)</sup> Up to 512MB of main system memory may be allocated to support video graphics. <sup>(4a)</sup> For storage drives, TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of drive is reserved for system recovery software. <sup>(6a)</sup> DVD-Writer does not support DVD RAM. Don't copy copyright protected materials. <sup>(8)</sup> Internet access required and not included. Subscription required after 30 days trial period. McAfee, LiveSafe and the McAfee logo are trademarks or registered trademarks of McAfee, Inc. in the United States and other countries. <sup>(10)</sup> Internet access required and not included. <sup>(18)</sup> Based on HP internal testing with MP4 playing, clamshell mode, 3 meter distance from wireless access point. Actual results may vary. <sup>(19a)</sup> Wireless access point and Internet service required. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the PC to communicate with other 802.11ac WLAN devices. <sup>(22)</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 [www.dropbox.com](http://www.dropbox.com). Internet service required and not included. <sup>(26)</sup> Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. <sup>(27)</sup> EPEAT® Silver registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at [www.hp.com/go/options](http://www.hp.com/go/options). <sup>(29)</sup> Actual speeds may vary. <sup>(41)</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>(42)</sup> USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum. <sup>(50)</sup> DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. <sup>(53)</sup> Call 1.800.474.6836 or [www.support.hp.com](http://www.support.hp.com) for more information on Care Packs available after 90 days. After 90 days, an incident fee may apply. <sup>(56)</sup> For more information visit [hp.com/go/tpsupportassistant](http://hp.com/go/tpsupportassistant) [Link will vary outside of the U.S.] HP Support Assistant is available for Android and Windows based PCs. <sup>(57)</sup> Internet connection required for updating and connecting to HP Support. <sup>(62)</sup> ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. <sup>(64)</sup> Internet service required and not included. Click the Office icon for more details on the Office product that is right for you. Optional features sold separately or as add-on features. <sup>(73)</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>(79)</sup> Games may be limited during trial period. Full version games may be purchased at any time. Internet access required and not included. <sup>(83)</sup> Service levels and response times for Care Packs may vary depending on your geographic location. Restrictions and limitations apply. Service starts at date of hardware purchase. HP Care Packs are sold separately. For details, visit [www.hp.com/go/carepack-services](http://www.hp.com/go/carepack-services). <sup>(89)</sup> HP SmartFriend sold separately or as an add-on feature. Actual product may vary from image shown on datasheet. © Copyright 2018 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing shall be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. All other trademarks are property of their respective owners. 04/30\_r3 k

## Software

<b>Games</b>	• <b>Wild Tangent Games for HP pre-installed:</b> Your HP computer comes with 2 free trial sessions of Claws and Feathers 3, Fabulous: Angela's Fashion Fever, 5 Star Rio Resort, Funny Pets, Heart's Medicine, Lost Island Mahjong Adventure, and Tachyon Project PC. Also includes unlimited play of Blackjack+, Solitaire with Themes and Vegas World. <sup>(79)</sup>
<b>HP help and support</b>	• <b>HP Support Assistant:</b> Help with your HP PC and printers whenever you need it. <sup>(56)(57)</sup> • <b>HP JumpStart:</b> When you boot up your PC for the first time, get a personal walkthrough during the setup and get an informative overview of your PC's features.
<b>Books, music, photos and videos</b>	• <b>Netflix:</b> Watch movies and TV online or via DVDs with subscription. <sup>(10)</sup> • <b>CyberLink Power Media Player:</b> Universal media player with enhanced playback quality.
<b>Productivity and tools</b>	• <b>Dropbox:</b> Keep your files safe, synced, and easy to share with Dropbox. If you don't have it today, sign up to get 25 GB of Dropbox space free for 12 months to save and access your photos, docs, and videos across all your devices. <sup>(22)</sup> • <b>Meet the new Office:</b> The most powerful Office yet. Your content when and where you need it. <sup>(64)</sup> • <b>HP Connection Optimizer:</b> Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points. <sup>(10)</sup>
<b>Security and protection</b>	• <b>HP Recovery Manager:</b> Recover, restore, and create recovery media for your PC. • <b>McAfee LiveSafe™:</b> Protect your operating system with a free 30-day McAfee LiveSafe™ trial. <sup>(8)</sup>

## Additional information

<b>Product number</b>	• 3LA92AA#ABA
<b>Ad embargo date</b>	• 04/15/2018
<b>UPC code</b>	• 192545270762
<b>Country of origin</b>	• China
<b>Tariff number</b>	• 8471500000 (US PC)
<b>Pallet information</b>	• <b>Dimensions:</b> 47.24 in (L/D) x 39.37 in (W) x 85.31 in (H) approx. • <b>Total weight:</b> 772.20 lb approx. • <b>Layers:</b> 7 • <b>Products per layer:</b> 6 • <b>Total products per pallet:</b> 42

