

# HP Pavilion Gaming Desktop PC 690-0017ns



## 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.



### Powerful graphics

Get lost in fluid gameplay and smooth visuals. With up to NVIDIA® GeForce® GTX 1060 or AMD® Radeon™ RX 580 discrete graphics, lag and slowdowns are a thing of the past.



### High-speed performance

Unleash the full potential of your PC with an either an Intel® Core™ processor<sup>1</sup> or an AMD® Ryzen™ processor<sup>1</sup> and up to 16 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.



<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.

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### Featuring

#### Windows 10

Do great things confidently with the familiar feel of Windows – only better.

#### 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.

#### NVIDIA® GeForce® GTX 1050 graphics

Power a fast, smooth, energy efficient gaming experience that takes advantage of the latest DirectX® 12 and GeForce® features to deliver 1080p graphics on the latest games.

#### 802.11 a/c (1x1) WLAN & Bluetooth® 4.2

Stay connected to Wi-Fi and to Bluetooth® accessories with wireless technology.

#### Re-writable DVD drive

Watch and write DVDs using the integrated optical drive.

#### DDR4 RAM options

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.

#### Hard drive storage

Don't worry about growing your collection of digital movies, songs, and pictures. With massive storage options you can save it all, and still have plenty of room left over.

#### PCIe SSD storage

Available in 128 GB PCIe-based flash storage is up to 17x faster than a traditional 5400 rpm laptop hard drive.<sup>5</sup>

#### Solid-State Drive

Without the moving parts of a standard hard drive, solid-state drives are more efficient, reliable, and fast. Boot up in seconds, transfer files without waiting hours, and enjoy a snappier experience every time you use your PC.

#### Windows 10

Do great things confidently with the familiar feel of Windows – only better.<sup>18</sup>

#### 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.

#### USB-C™

Transfer data at high speeds to or from your external storage with this USB-C™ port. And it's reversible, so you never have to worry about plugging in upside down.<sup>19,20</sup>

#### VR 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 experience right out of the box.<sup>21</sup>

#### HP Jumpstart

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.

#### Dropbox cloud storage

Store and synchronize your content online with Dropbox. Get 25GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access.<sup>22</sup>

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<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>2</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>3</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 laptop to communicate with other 802.11ac WLAN devices. Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license.

<sup>4</sup> Actual speeds may vary. Don't copy copyright-protected materials.

<sup>5</sup> Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5400 rpm HDD.

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## Specifications

### Performance

#### Operating System

Windows 10 Home 64

#### Processor

Intel® Core™ i7-8700 (3.2 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores)

Processor family: 8th Generation Intel® Core™ i7 processor

#### Chipset

Intel® H370

#### Memory

16 GB DDR4-2666 SDRAM (2 x 8 GB); Total slots: 2 UDIMM

Transfer rates up to 2666 MT/s.

#### Storage

1 TB 7200 rpm SATA

128 GB PCIe® NVMe™ M.2 SSD

DVD-Writer

Dropbox<sup>1</sup>

#### Graphics

Discrete: NVIDIA® GeForce® GTX 1050 (2 GB GDDR5 dedicated); Powered by NVIDIA® Pascal™ architecture

#### Audio

5.1 surround sound

#### Display description

LCD monitors sold separately. For more information please visit [www.hp.com/eur/home-monitors](http://www.hp.com/eur/home-monitors).

#### Power

180 W internal power supply

### Connectivity

#### Network interface

Integrated 10/100/1000 GbE LAN

#### Wireless connectivity

802.11a/b/g/n/ac (1x1) and Bluetooth® 4.2 combo

#### Ports

Front: 1 USB 3.1 Type-C™; 2 USB 3.1; 1 headphone/microphone combo

Rear: 2 USB 2.0; 4 USB 3.0; 1 audio-in; 1 audio-out; 1 headphone/microphone combo; 1 RJ-45

3-in-1 memory card reader

#### Video connectors

1 DVI; 1 HDMI 2.0; 1 DisplayPort™

### Design

#### Product Color

Shadow black with green LED front bezel, brushed strip pattern

### Software

#### HP Apps

HP Audio Switch; HP JumpStart; HP Lighting Bar Control

#### Software

Netflix; 1 month trial for new Microsoft® Office 365 customers

#### Service & support

McAfee LiveSafe™<sup>2</sup>

### Additional information

#### Part Number

P/N: 3ZY84EA #ABE

UPC/EAN code: 192545733021

#### Energy Efficiency Compliance

ENERGY STAR® certified; EPEAT® Silver registered

#### Weight

5.15 kg; Packed: 8 kg

#### Dimensions

17 x 27.7 x 33.8 cm; Packed: 39 x 49.9 x 29.1 cm

#### 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](http://hp.com) product pages.

#### Included accessories

USB black keyboard

USB wired optical mouse

## Recommended accessories\*

\* Not included.



**OMEN by HP  
Mouse 600**  
1KF75AA



**OMEN by HP  
Headset 800**  
1KF76AA



**OMEN by HP 25  
Display**  
Z7Y57AA



**3-year pickup  
and return**  
U4812E

<sup>1</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>2</sup> McAfee LiveSafe 30-day free trial offer (Internet access required. First 30 days included. Subscription required for live updates afterwards.) <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. Intel's numbering is not a measurement of higher performance. Intel, Pentium, Intel Core, Celeron, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries. <sup>7</sup> Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

