

# HP Pavilion All-in-One 27-r045qe



## Give your ideas a place to grow

From the edge-to-edge display to the stunningly modern design, go from streaming your favorite show to learning a new recipe on a PC that looks as great as it performs.

### Product overview

- **See more. Do more.** With the latest Intel® processor, abundant storage, and an AMD Radeon™ graphics card you can dive right into anything from uploading photos to vacation planning – the possibilities are endless.
- **An entertainment sensation:** Enjoy a captivating entertainment experience with an edge-to-edge FHD IPS display, and fabric covered speakers tuned by B&O PLAY.<sup>(59)</sup>
- **Minimalist design. Maximum expression.** Its modern design saves space on your desk, while a camera slide safeguards your family's privacy.

### Key specifications

- **Operating system:** Windows 10 Home<sup>(1)</sup>
- **Processor:** 7th Generation Intel® Core™ i7-7700T processor<sup>(2b)</sup>
- **Integrated display:** 10-point touch-enabled 27" diagonal widescreen FHD IPS WLED-backlit edge-to-edge display (1920 x 1080)<sup>(39)</sup>
- **Memory:** 16 GB DDR4-2400 SDRAM memory<sup>(3)</sup>
- **Internal storage:** 2 TB 5400 rpm SATA hard drive<sup>(4a)</sup> + 16 GB Intel® Optane™ memory for storage acceleration<sup>(57)</sup>
- **Graphics:** AMD Radeon™ 530 graphics card with 4 GB GDDR5 dedicated memory
- **Mouse and keyboard:** HP white wireless keyboard with volume control and optical mouse
- **Webcam:** HP Privacy HD IR Camera<sup>(69)</sup>
- **Optical drive:** DVD-Writer<sup>(6a)</sup>
- **USB ports:** 5 (2 x 2.0, 2 x 3.1, 1 x 3.1 Type-C™)<sup>(42)</sup>
- **Connectivity:** HDMI Out, HDMI In
- **Wireless:** Wireless LAN 802.11 a/b/g/n/ac (2x2) and Bluetooth® 4.2 M.2<sup>(19a)(25)</sup>
- **Warranty:** 1-year limited hardware warranty

### Product features

- **Windows 10 Home:** Do great things with Windows Hello and Cortana.<sup>(1)(160)</sup>
- **A truly powerful audio experience:** HP Audio Boost and audio tuning by B&O PLAY deliver rich, authentic sound.
- **HP Privacy Camera switch:** This innovative webcam has a switch designed to cover the camera and disable video when not in use, keeping you safe online.
- **Full HD IPS touchscreen:** Control your entertainment right from the screen and get crystal-clear quality with 178° wide-viewing angles.<sup>(39)</sup>
- **Hard drive storage:** Grow your digital collections and still have room left over.
- **Intel® Optane™:** Get near SSD performance without sacrificing the storage of your traditional hard drive.<sup>(55)</sup>
- **USB-C™:** Charge, transfer data at 5Gbps, or connect a display from one reversible port.<sup>(41)(42)</sup>
- **HDMI out:** Transmit digital HD video and sound to an external display.
- **HDMI in:** Plug in and enjoy your favorite content on a bigger screen.
- **Re-writable DVD drive:** Watch and write DVDs using the integrated optical drive.<sup>(60)</sup>
- **7th generation Intel® Core™ i7 processor:** Powerful performance easily keeps up with all your multitasking demands and enables new ways to interact with your PC.
- **AMD Radeon™ 530 graphics:** GCN architecture is designed to enhance general computing needs and streamline your day, whether you're multitasking, watching movies, or playing your favorite DirectX12 titles.
- **DDR4 RAM:** With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.

### Additional product features

- **Rock-solid connections:** With the latest 802.11 a/c (2x2) WLAN adapter and Bluetooth® 4.2, all your connections are rock solid and up to 6 times faster than 802.11 n 1x1.<sup>(18)(19a)(26)</sup>
- **Experience the advanced digital assistant, Cortana:** Utilize dual microphones and HP premium speakers to help become more productive with Cortana, and HP collaboration and conferencing solutions.<sup>(60)</sup>
- **Leave passwords behind:** Say hello to a new way to securely login without passwords using Windows Hello.
- **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>(8)</sup>

### Energy efficiency your way

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

- ENERGY STAR® certified<sup>(62)</sup>
- EPEAT® Silver registered<sup>(27)</sup>
- Low Halogen<sup>(61)</sup>
- Mercury-free display backlights
- Arsenic-free display glass
- All HP computing products are delivered by SmartWay carriers.<sup>(63)</sup>
- Recycled Packaging: Count on easy recycling every time. HP designs products and packaging that can be conveniently recycled or reused.<sup>(13)</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>(59)</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>(8)(3)</sup>



## Specifications

<b>Operating system</b>	• Windows 10 Home <sup>(1)</sup>
<b>Processor</b>	• 7th Generation Intel® Core™ i7-7700T processor <sup>(2b)</sup> • Quad-Core
<b>Processor speed</b>	• 2.90GHz <sup>(2b)</sup>
<b>Cache</b>	• 8 MB Cache
<b>Memory</b>	• 16 GB DDR4-2400 SDRAM memory <sup>(3)</sup> (2x8 GB) (expandable to 16 GB unbuffered with 8 GB DIMMs)
<b>Internal storage</b>	• 2 TB 5400 rpm SATA hard drive <sup>(4a)</sup> + 16 GB Intel® Optane™ memory for storage acceleration <sup>(55)</sup>
<b>Finish</b>	• HP finish in blizzard white
<b>Optical drive</b>	• DVD-Writer <sup>(6a)</sup>
<b>Video graphics</b>	• AMD Radeon™ 530 graphics card with 4 GB GDDR5 dedicated memory
<b>Network interface</b>	• 10/100/1000 Base-T Network <sup>(29)</sup>
<b>Wireless connectivity</b>	• Wireless LAN 802.11a/b/g/n/ac (2x2) and Bluetooth® 4.2 M.2 <sup>(15a)(25)</sup>
<b>Sound</b>	• Integrated speakers • B&O PLAY
<b>Memory slots</b>	• 2 DIMM (SO-DIMM) (occupied)
<b>Expansion slots</b>	• 2 M.2 (occupied)
<b>Memory card reader</b>	• HP 3-in-1 Media Card Reader—Supports SD, SDHC, SDXC.
<b>External ports</b>	• Headphone/Microphone Combo • HDMI Out, HDMI In • Rear I/O: 1 USB 3.1 (Battery Charging 1.2), 1 USB 3.1, 2 USB 2.0 • Bottom: 1 USB 3.1 Type-C™ <sup>(42)</sup>
<b>Mouse and keyboard</b>	• HP white wireless keyboard with volume control and optical mouse
<b>Web camera</b>	• HP Privacy HD IR Camera <sup>(69)</sup>
<b>Microphone</b>	• Dual array digital microphone
<b>Integrated display</b>	• 10-point touch-enabled 27" diagonal widescreen FHD IPS WLED-backlit edge-to-edge display (1920 x 1080) <sup>(39)</sup>
<b>Tilt/stand design</b>	• <b>Tilt Angle:</b> -5° to 25° • <b>Stand Type:</b> Cantilever
<b>Power supply</b>	• 150 W external AC power adapter
<b>Dimensions</b>	• <b>Unpackaged:</b> 25.87 in (L) x 7.10 in (W) x 20.10 in (H) approx. • <b>Packaged:</b> 31.14 in (L) x 9.17 in (W) x 24.33 in (H) approx.
<b>Weight</b>	• <b>Unpackaged:</b> 22.05 lb approx. • <b>Packaged:</b> 29.04 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. 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>(2b)</sup> Up to 512MB of main system memory may be allocated to support video graphics. <sup>(3a)</sup> For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 35GB of drive is reserved for system recovery software. <sup>(4a)</sup> DVD-Writer does not support DVD RAM. Don't copy copyright protected materials. <sup>(6a)</sup> Actual speeds may vary. 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>(15a)</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>(40)</sup> Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. <sup>(77)</sup> EPEAT® Silver registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country. <sup>(29)</sup> Actual speeds may vary. <sup>(31)</sup> Free recycling in select countries. Program may not be available in your area. Check [www.hp.com/go/recycling](http://www.hp.com/go/recycling) to see if HP offers free recycling in your area. <sup>(39)</sup> Full High Definition (FHD) content is required to view FHD images. <sup>(41)</sup> Transfer rate may vary. All performance specifications represent the typical specifications provided by the U.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>(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>(55)</sup> Intel® Optane™ Memory for HP desktops and notebooks is cache memory that helps reduce boot times and load times and will not increase storage or system memory capacity. Requires a 7th Gen Intel® Core™ processor, bios version with Intel® Optane™ supported, Windows 10, version 1703, an Intel® 200 series chipset, M.2 type 2280-51-B-M connector on a PCH Remapped PCIe Controller and Lanes in a x2 or x4 configuration with B-M keys that meet NVMe Spec 1.1 and Intel® Rapid Storage Technology (Intel® RST) 15.5 driver. <sup>(69)</sup> For more information visit [hp.com/go/hpsupportassistant](http://hp.com/go/hpsupportassistant) (Link will vary outside of the U.S.) HP Support Assistant is available for Android and Windows based PCs. <sup>(67)</sup> Internet connection required for updating and connecting to HP Support. <sup>(68)</sup> Some features including voice supported Cortana, inking, and Continuum require Windows 10 and more advanced hardware. See [www.windows.com](http://www.windows.com). Apps and pen sold separately. <sup>(61)</sup> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may be Low Halogen. <sup>(62)</sup> ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. <sup>(63)</sup> Designation based on actions to reduce transportation-related emissions. <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>(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> Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. <sup>(95)</sup> HP SmartFriend will support any major brand of computer and tablet running Microsoft Windows, OSX, iOS, Android, and Chrome OS. 24x7 support is available in English and in the US & Canada (excluding the Province of Quebec) only. Service availability varies by country/region. Internet connection required for remote support. Remote support not available for tablets. Not all service plans cover support for tablets. HP SmartFriend sold separately or as an add-on feature. Actual product may vary from image shown on datasheet. © Copyright 2017 HP Development Company, L.P. The information contained herein is subject to change without notice. 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## Software

<b>Games</b>	• <b>Wild Tangent Games for HP pre-installed:</b> Your HP computer comes with 2 free sessions of Runefall, 1 free session of Barn Yarn Collector's Edition and unlimited play of Vegas World. <sup>(79)</sup>
<b>HP help and support</b>	• <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>HP Support Assistant:</b> Help with your HP PC and printers whenever you need it. <sup>(56)(57)</sup>
<b>Books, music, photos and videos</b>	• <b>Netflix:</b> Watch movies and TV online or via DVDs with subscription. <sup>(10)</sup> • <b>B&amp;O PLAY:</b> HP speakers, custom-tuned in collaboration with experts at Bang & Olufsen, deliver rich, authentic sound. • <b>CyberLink Power Media Player:</b> Universal media player with enhanced playback quality.
<b>Productivity and tools</b>	• <b>Meet the new Office:</b> The most powerful Office yet. Your content when and where you need it. <sup>(64)</sup> • <b>HP SureConnect 2.0:</b> Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points. <sup>(10)</sup> • <b>HP Recovery Manager:</b> Recover, restore, and create recovery media for your PC. • <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>Security and protection</b>	• <b>McAfee LiveSafe™:</b> Protect your operating system with a free 30-day McAfee LiveSafe™ trial. <sup>(6)</sup>

## Additional information

<b>Product number</b>	• X6B88AA#ABA
<b>Ad embargo date</b>	• 07/28/2017
<b>UPC code</b>	• 191628453603
<b>Country of origin</b>	• China
<b>Tariff number</b>	• 8471500085
<b>Pallet information</b>	• <b>Dimensions:</b> 47.24 in (L/D) x 39.37 in (W) x 78.90 in (H) approx. • <b>Total weight:</b> 470.00 lb approx. • <b>Layers:</b> 3 • <b>Products per layer:</b> 5 • <b>Total products per pallet:</b> 15

