

HP Pavilion Gaming Laptop 15-cx0020nr



Go where the action is

Gaming. Creation. Entertainment. An Intel® Core™ processor and discrete graphics work together to jumpstart everything you do.

Product overview

- **A gaming and entertainment machine:** Take on the latest games and upgrade your entertainment with NVIDIA® GeForce® GTX graphics. Add the FHD IPS display, and play time is no joke.⁽³⁹⁾
- **Immerse yourself:** See more of the action on a stunning micro-edge display, and enjoy rich, authentic audio with front-firing speakers, HP Audio Boost, and tuning by B&O PLAY.
- **Every move you make. Crystal clear.** Every detail pops with this FHD display with IPS, so that gaming becomes more lifelike than ever before.⁽³⁹⁾
- **Intel® Optane™:** Get near SSD performance without sacrificing the storage of your traditional hard drive. This smart system accelerator learns from your everyday computing and helps your performance—making everything fast, smooth, and responsive.⁽³⁵⁾

Key specifications

- **Operating system:** Windows 10 Home⁽⁴¹⁾
- **Processor:** 8th Generation Intel® Core™ i5+8300H Processor (Core i5 and Intel® Optane™ memory)⁽²⁾⁽⁴⁾⁽⁵⁾
- **Display:** 15.6-inch diagonal FHD⁽³⁹⁾ IPS anti-glare micro-edge WLED-backlit (1920 x 1080)
- **Memory:**
 - 8 GB DDR4-2666 SDRAM
 - 16 GB Intel® Optane™ memory⁽³⁵⁾
- **Internal storage:** 1 TB 5400 RPM SATA hard drive⁽⁴⁰⁾
- **Graphics:** NVIDIA® GeForce® GTX 1050 Ti (4 GB GDDR5 dedicated)⁽¹³⁾
- **Audio:** B&O PLAY with dual speakers
- **Battery life:**
 - Up to 8 hours and 45 minutes (mixed usage)⁽⁷⁾⁽⁹⁾
 - Up to 7 hours and 45 minutes (video playback)⁽⁷⁾⁽⁹⁾
 - Up to 5 hours and 30 minutes (wireless streaming)⁽⁸⁾⁽⁹⁾
- **Wireless:** 802.11b/g/n/ac(19a) (2x2) Wi-Fi and Bluetooth®(26) 4.2 combo (MU-MIMO supported)
- **Webcam:** Front-facing HP Wide Vision HD Webcam with integrated dual array digital microphones⁽⁸⁹⁾
- **Product weight:** 5.18 lb⁽⁷⁾⁽⁹⁾
- **Keyboard:** Full-size island-style backlit keyboard with numeric keypad

Product features

- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows - only better.⁽⁴¹⁾
- **NVIDIA® GeForce® GTX 1050 Ti graphics:** Take on the latest games in 1080p with fast, smooth gameplay.
- **8th generation Intel® Core™ i processor:** Upgrade performance with smooth responsiveness, and stream premium content or even create your own.
- **Full HD IPS display:** Enjoy vibrant, crystal-clear images with 178° wide-viewing angles.⁽³⁹⁾
- **Micro-edge display:** The barely visible bezel revolutionizes your display by letting a larger screen fit into a smaller frame.
- **Hard drive storage:** Grow your digital collections and still have room left over.
- **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 802.11n 1x1.⁽¹⁾⁽⁸⁾⁽¹⁹⁾⁽²⁶⁾
- **MU-MIMO supported:** Pair with a MU-MIMO router for a smoother online experience in multi-device homes.
- **Island-style backlit keyboard:** Work comfortably in darker environments with a full-sized keyboard and integrated numeric pad.
- **HP Wide Vision HD Camera:** 88-degree, wide-angle field of view for video chats with the whole family.⁽⁸⁹⁾
- **McAfee LiveSafe™:** Protect your operating system with a free 30-day McAfee LiveSafe™ trial.⁽⁸⁾

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 OMEN Laptop that meets strict energy-efficiency and helps reduce your carbon footprint.

- ENERGY STAR® certified⁽⁶²⁾
- EPEAT® Silver registered⁽²⁷⁾
- Low Halogen⁽⁶¹⁾
- Mercury-free display backlights
- Arsenic-free display glass
- All HP computing products are delivered by SmartWay carriers.⁽⁶³⁾
- Recycled Packaging: Count on easy recycling every time. HP designs products and packaging that can be conveniently recycled or reused.⁽³¹⁾

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:** Warranty details are included with your product.

Support Options:

- **HP Support Assistant - HPSA:** Optimized to enhance your support experience. Help for your PC and HP printers whenever you need it.⁽⁵⁾⁽⁶⁾⁽⁵⁷⁾
- **Online Support:** For technical support with this product, visit HP Customer Support <http://support.hp.com>.⁽⁹⁾
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Forum at hp.com/go/supportforum, on Twitter at twitter.com/HPsupport, and Facebook at facebook.com/HPsupport.⁽⁸⁾

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 to learn more or call toll-free 1.844.814.1800 to get started.⁽⁹⁵⁾
- **Care Packs:** Extend protection beyond the standard limited warranty. For more info, visit www.hp.com/go/cpc or call toll-free at 1.877.232.8009.⁽⁸³⁾



Specifications

Operating system	• Windows 10 Home ⁽¹⁾
Processor	• 8th Generation Intel® Core™ i5+8300H Processor (Core i5 and Intel® Optane™ memory) ^{(2b)(55)} • Quad-Core
Processor speed	• 2.3 GHz base frequency, up to 4 GHz with Intel® Turbo Boost Technology ^{(2b)(2g)}
Processor cache	• 8 MB cache
Memory	• 8 GB DDR4-2666 SDRAM (1 x 8 GB) • 16 GB Intel® Optane™ memory ⁽⁵⁵⁾
Accessible memory slots	• Memory slot not user accessible
Video graphics	• NVIDIA® GeForce® GTX 1050 Ti (4 GB GDDR5 dedicated) ⁽¹³⁾
Internal storage	• 1 TB 5400 RPM SATA hard drive ^(6b)
Finish and features	• HP matte finish in shadow black and acid green with vertical brushing pattern • Front-facing HP Wide Vision HD Webcam with integrated dual array digital microphones ⁽⁶⁹⁾
Display	• 15.6-inch diagonal FHD ⁽³⁹⁾ IPS anti-glare micro-edge WLED-backlit (1920 x 1080)
Network card	• Integrated 10/100/1000 GbE LAN ⁽²⁰⁾
Wireless connectivity	• 802.11b/g/n/ac ^(19a) (2x2) Wi-Fi and Bluetooth® ⁽²⁶⁾ 4.2 combo (MU-MIMO supported)
Digital media	• Multi-format digital media card reader
Audio	• B&O PLAY with dual speakers
Keyboard	• Full-size island-style backlit keyboard with numeric keypad
Pointing device	• HP Imagepad with multi-touch gesture support
External notebook ports	• 1 USB Type-C™ 3.1 Gen 1 (Data up to 5Gb/s) ⁽⁴¹⁾⁽⁴²⁾ • 2 USB 3.1 Gen 1 (Data Transfer Only) • 1 HDMI • 1 RJ-45 • 1 Headphone/microphone combo
Dimensions	• Unpackaged: 14.40 in (W) x 10.01 in (D) x 1.00 in (H) • Packaged: 21.73 in (L) x 2.72 in (W) x 12.00 in (W)
Weight	• Unpackaged: 5.18 lb ⁽⁷⁶⁾ • Packaged: 10.00 lb
Security	• Kensington NanoSaver™ Security Lock Support
Power	• 150W AC adapter • 3-cell 52.5 Whr polymer/prismatic mix battery
Battery life	• Up to 8 hours and 45 minutes (mixed usage) ⁽⁷⁰⁾ • Up to 7 hours and 45 minutes (video playback) ⁽⁷⁵⁾ • Up to 5 hours and 30 minutes (wireless streaming) ⁽⁸⁰⁾
Warranty and support	• 1-year limited hardware warranty. Additional information available at www.support.hp.com ⁽⁹⁾ • 90 days limited technical support for software and initial setup (from date of purchase) ⁽⁵³⁾

Learn more at hp.com

⁽¹⁾ 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>. ^(2a) 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. ^(2b) Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information. ^(4b) For storage drives, TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of drive is reserved for system recovery software. ⁽⁸⁾ 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. ⁽⁹⁾ Internet access required and not included. Availability of public wireless access points limited. ⁽¹³⁾ NVIDIA, GeForce, Surround, and the NVIDIA logo are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. ⁽¹⁸⁾ Based on HP internal testing with MP4 playing, clamshell mode, 3 meter distance from wireless access point. Actual results may vary. ^(19a) 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. ⁽²²⁾ 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. Internet service required and not included. ⁽²⁶⁾ Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. ⁽²⁷⁾ EPEAT® Silver registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. ⁽³¹⁾ Free recycling in select countries. Program may not be available in your area. Check www.hp.com/go/recycling to see if HP offers free recycling in your area. ⁽³⁹⁾ Full High Definition (FHD) content is required to view FHD images. ⁽⁴¹⁾ 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. ⁽⁴²⁾ USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum. ⁽⁵³⁾ Call 1.800.474.6836 or www.support.hp.com for more information on Care Packs available after 90 days. After 90 days, an incident fee may apply. ⁽⁵⁵⁾ Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system. Intel®, Intel® Core™ and Intel® Optane™ are trademarks of Intel Corporation in the United States and/or other countries. ⁽⁶⁰⁾ For more information visit hp.com/go/hpsupportassistant [Link will vary outside of the U.S.] HP Support Assistant is available for Android and Windows based PCs. ⁽⁶⁷⁾ Internet connection required for updating and connecting to HP Support. ⁽⁶⁹⁾ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. ⁽⁶²⁾ ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. ⁽⁶³⁾ Designation based on actions to reduce transportation-related emissions. ⁽⁷⁰⁾ Windows 10 MM14 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See <http://www.bapco.com> for additional details. ⁽⁷⁵⁾ Battery life tested by HP using continuous FHD video playback, 1080p (1920x1080) resolution, 150 nits brightness, system audio level at 17%, player audio level at 100%, played full-screen from local storage, headphone attached, wireless on but not connected. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage. ⁽⁷⁹⁾ Games may be limited during trial period. Full version games may be purchased at any time. Internet access required and not included. ⁽⁸⁰⁾ Battery life tested by HP using continuous Netflix video playback, Windows 10 Netflix app, 150 nits brightness, system audio level 17%, headphone attached, played full-screen, wireless on. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage. ⁽⁸³⁾ 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. ^(85a) Requires an Internet connection, not included, to an HP web-enabled printer and HP ePrint account registration. For complete details, see www.hp.com/go/mobileprinting. ⁽⁸⁹⁾ Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. ⁽⁹⁹⁾ 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. ©2018 Hewlett-Packard 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. 04/3_r2 tg

Software

Games	• Wild Tangent Games for HP pre-installed: 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. ⁽⁷⁹⁾
HP help and support	• 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. • HP Support Assistant: Included with your computer, this free self-help tool makes it easier than ever to get help with your HP PC and printers. ⁽⁶⁶⁾⁽⁵⁷⁾
Books, music, photos and videos	• Netflix: Watch movies and TV online with subscription. ⁽⁹⁾
Productivity and tools	• HP Audio Switch: Easily switch between speaker and microphone sources with intuitive controls and a consistent app experience. • Dropbox: 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. ⁽²²⁾ • HP ePrint: Wirelessly print from anywhere, anytime, on any HP ePrint-enabled printer. ^(85a) • HP Connection Optimizer: Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points. ⁽⁹⁾
Security and protection	• HP Recovery Manager: Recover, restore, and create recovery media for your PC. • HP 3D DriveGuard: Your PC's data stays safe from accidental bumps and bruises with HP 3D DriveGuard. It senses motion and locks your spinning hard drive, so a single bump won't delete your entire digital life. • HP CoolSense: Your PC auto adjusts its temperature based on usage and conditions. • McAfee LiveSafe™: Protect your operating system with a free 30-day McAfee LiveSafe™ trial. ⁽⁶⁾

Additional Information

Product number	• 3WF00UA#ABA
Ad embargo date	• 06/10/2018
UPC Code	• 192545208680
Country of origin	• China
Tariff number	• 8471300000
Pallet information	• Dimensions: 47.24 in (L) x 39.37 in (W) x 46.0 in (H) • Total weight: 904.00 lb • Layers: 3 • Products per layer: 29

