

# HP Pavilion Gaming Laptop 15-ec0010nr



## Game Ready. Performance Ready.

The thin and powerful HP Pavilion Gaming 15 Laptop lets you experience high-grade graphics and processing power that meets your gaming and multitasking needs.

### Product overview

- **Power to do it all:** Take on everything with a high performance processor and advanced graphics. A Full HD resolution display with a refresh rate delivers smooth gameplay visuals, while also bringing entertainment and content to life.<sup>(39)</sup>
- **Stay in the game:** Enhanced thermal solution maximizes airflow to optimize overall performance and stability.<sup>(46)</sup>
- **Daring design:** Get lost in the game with a sleek micro-edge bezel display and front-firing speakers with Audio by B&O for powerful, custom-tuned sound.

### Key specifications

- **Operating system:** Windows 10 Home<sup>(1)</sup>
- **Processor:** AMD Ryzen™ 5 3550H<sup>(2a)</sup>
- **Display:** 15.6-inch diagonal FHD IPS anti-glare micro-edge WLED-backlit<sup>(39)</sup>
- **Memory:** 8 GB DDR4-2400 SDRAM (1 x 8 GB)
- **Internal storage:** 512 GB PCIe® NVMe™ M.2 Solid State Drive<sup>(15)(58b)</sup>
- **Graphics:** NVIDIA® GeForce® GTX 1050 (3 GB GDDR5 dedicated)<sup>(13)</sup>
- **Sound:** B&O with dual speakers
- **Wireless:** Realtek Wi-Fi 5 (2x2)<sup>(19a)</sup> and Bluetooth® 5.0 combo<sup>(26)</sup> (MU-MIMO supported)
- **Camera:** HP Wide Vision FHD Camera with integrated dual array digital microphone<sup>(69)</sup>
- **Product weight:** 4.96 lb<sup>(76)</sup>
- **Keyboard:** Full-size island-style acid green backlit keyboard with numeric keypad

### Product features

- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows - only better.<sup>(1)</sup>
- **NVIDIA® GeForce® GTX 1050 graphics:** Power a fast, smooth, energy efficient gaming experience that takes advantage of the latest DirectX® 12 and NVIDIA® GeForce® GTX 1050 features to deliver 1080p graphics on the latest games.
- **AMD Ryzen™ 5 processor:** Tap into truly impressive notebook performance. A revolutionary new architecture with amazing battery life that delivers exceptional multi-threaded processing and NVIDIA® GeForce® graphics for intensive multimedia tasks.
- **Advanced thermal management:** Optimized thermal design and IR sensor keeps your laptop cool to touch, without affecting acoustics.<sup>(46)</sup>
- **Sleek design:** Easily take this thin and light PC from room to room or on the road.
- **Micro-edge display:** The barely visible bezel revolutionizes your display by letting a larger screen fit into a smaller frame.
- **FHD IPS display:** Enjoy vibrant, crystal-clear images with 178° wide-viewing angles.<sup>(39)</sup>
- **PCIe® NVMe™ SSD storage:** Get up to 15x faster performance than a traditional hard drive.<sup>(58b)</sup>
- **Wi-Fi 5 (2x2) & Bluetooth® 5.0:** With the latest Wi-Fi 5 (2x2) WLAN adapter and Bluetooth® 5.0, all your connections are rock solid.<sup>(19a)(26)</sup>
- **MU-MIMO supported:** Pair with a MU-MIMO router for a smoother online experience in multi-device homes.

### Additional product features

- **Backlit keyboard with integrated numeric pad:** Keep going comfortably even in darker environments.
- **An exceptionally rich audio experience:** HP Dual Speakers, HP Audio Boost, and tuning by B&O deliver a rich, authentic audio experience.
- **DDR4-2400 RAM:** With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.
- **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 Laptop 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

### 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.<sup>(56)</sup>
- **Online Support:** For technical support with this product, visit HP Customer Support <http://support.hp.com>.<sup>(9)</sup>
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Community at [hp.com/go/community](http://hp.com/go/community), on Twitter at [twitter.com/HPSupport](https://twitter.com/HPSupport), and Facebook at [facebook.com/HPSupport](https://facebook.com/HPSupport).<sup>(9)</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>(55)</sup>
- **Care Packs, part of HP Care:** Extend protection beyond the standard limited warranty. For more info, visit [www.hp.com/go/carepack-services](http://www.hp.com/go/carepack-services) or call toll-free at 1-877-232-8009.<sup>(63)</sup>



## Specifications

<b>Operating system</b>	• Windows 10 Home <sup>(1)</sup>
<b>Processor</b>	• AMD Ryzen™ 5 3550H <sup>(2a)</sup> • Quad-Core
<b>Processor speed</b>	• 2.1 GHz base clock, up to 3.7 GHz max boost clock <sup>(2d)</sup>
<b>Processor cache</b>	• 6 MB cache
<b>Memory</b>	• 8 GB DDR4-2400 SDRAM (1 x 8 GB)
<b>Accessible memory slots</b>	• 2
<b>Video graphics</b>	• NVIDIA® GeForce® GTX 1050 (3 GB GDDR5 dedicated) <sup>(13)</sup>
<b>Internal storage</b>	• 512 GB PCIe® NVMe™ M.2 Solid State Drive <sup>(15)(58a)</sup>
<b>Finish and features</b>	• Top cover: Shadow black • Keyboard deck: Shadow black • Logo: Green Chrome
<b>Camera</b>	• HP Wide Vision FHD Camera with integrated dual array digital microphone <sup>(63)</sup>
<b>Display</b>	• 15.6-inch diagonal FHD IPS anti-glare micro-edge WLED-backlit, 250 nits, 45% NTSC (1920 x 1080) <sup>(20)(39)</sup>
<b>Screen to body ratio</b>	• 79% <sup>(40)</sup>
<b>Network card</b>	• Integrated 10/100/1000 GbE LAN <sup>(29)</sup>
<b>Wireless connectivity</b>	• Realtek Wi-Fi 5 (2x2) <sup>(13a)</sup> and Bluetooth® 5.0 combo <sup>(26)</sup> (MU-MIMO supported)
<b>Digital media</b>	• Multi-format SD media card reader
<b>Sound</b>	• B&O with dual speakers
<b>Integrated keyboard</b>	• Full-size island-style acid green backlit keyboard with numeric keypad and HP Imagepad with multi-touch gesture support
<b>External notebook ports</b>	• 1 USB 3.1 Gen 1 Type-C™ (Data Transfer Only, 5 Gb/s signaling rate) <sup>(42)</sup> • 1 USB 3.1 Gen 1 Type-A (Data Transfer Only) • 1 USB 2.0 Type-A (HP Sleep and Charge) • 1 RJ-45 • 1 HDMI 2.0 • 1 AC Smart pin • 1 Headphone/microphone combo
<b>Dimensions</b>	• <b>Unpackaged:</b> 14.17 in (W) x 10.12 in (D) x 0.93 in (H) • <b>Packaged:</b> 19.02 in (L) x 2.72 in (W) x 12.00 in (H)
<b>Weight</b>	• <b>Unpackaged:</b> 4.96 lb <sup>(76)</sup> • <b>Packaged:</b> 6.46 lb
<b>Power</b>	• 3-cell 52.5 Wh Li-ion battery • 135W AC adapter
<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> <sup>(9)</sup> • 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 and Radeon are trademarks of Advanced Micro Devices, Inc. <sup>(2b)</sup> Max Boost clock frequency performance varies depending on hardware, software and overall system configuration. <sup>(2c)</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>(2d)</sup> Internet service required and not included. Availability of public wireless access points limited. <sup>(3)</sup> NVIDIA, GeForce, Surround, and the NVIDIA logo are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. <sup>(4)</sup> Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. <sup>(5a)</sup> Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 5 (802.11ac) is backwards compatible with prior Wi-Fi 5 specs. <sup>(20)</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. <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>(23)</sup> Detects BIOS damage and recovers last settings. <sup>(26)</sup> Bluetooth® is a trademark owned by its proprietor and used by Hewlett-Packard Company 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>(39)</sup> Full High Definition (FHD) content is required to view FHD images. <sup>(40)</sup> Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk. <sup>(42)</sup> USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum. <sup>(46)</sup> Thermal solution varies by configuration. <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 <http://www.hp.com/go/hpsupportassistant>. (Link will vary outside of the U.S.) HP Support Assistant is only available on Windows-based PCs. Internet connection required for updating and connecting to HP Support. <sup>(58a)</sup> Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD. <sup>(61)</sup> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not 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>(64)</sup> Weight and system dimensions may fluctuate due to configuration and manufacturing variances. <sup>(63)</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>(69)</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 2019 HP Development Company, L.P. The information contained herein is subject to change without notice. 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## Software

<b>HP help and support</b>	• <b>HP Support Assistant:</b> Included with your computer, this free self-help tool makes it easier than ever to get help with your HP PC and printers. <sup>(56)</sup> • <b>HP BIOS Protection:</b> Get peace of mind knowing your PC BIOS is protected. HP BIOS Protection automatically checks its health and recovers itself. <sup>(23)</sup> • <b>HP Jumpstarts:</b> Get access to great HP solutions and learn about valuable features that come with your new HP PC.
<b>Books, music, photos and videos</b>	• <b>Netflix:</b> Watch movies and TV online with subscription. <sup>(9)</sup>
<b>Productivity and tools</b>	• <b>HP Audio Switch:</b> Easily switch between speaker and microphone sources with intuitive controls and a consistent app experience. • <b>Dropbox:</b> 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> • <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>(9)</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>	• 7Q580UA#ABA
<b>Ad embargo date</b>	• 10/27/2019
<b>UPC Code</b>	• 193905626007
<b>Country of origin</b>	• China
<b>Tariff number</b>	• 8471300000
<b>Pallet information</b>	• <b>Dimensions:</b> 42.32 in (H) x 39.37 in (W) x 47.24 in (L) • <b>Total weight:</b> 692.90 lb • <b>Layers:</b> 3 • <b>Products per layer:</b> 34
<b>Battery regulatory data</b>	• <b>Transportation or storage regulations:</b> Y • <b>UN# and proper shipping name:</b> UN3481 - Lithium ion batteries packed with equipment • <b>Number of batteries:</b> 1 • <b>Primary battery regulated material:</b> 210g • <b>Primary battery watt hours:</b> 52.5 • <b>Applicable CPSC regulations:</b> N

