

# HP Pavilion Laptop 16-af0012nm

## Meet HP Pavilion 16 Laptop, the one PC for all your needs

Bring your designs to life or edit your projects on the go with the HP Pavilion 16-inch PC. The latest Intel® Core™ Processors<sup>1</sup> and HP Fast Charge<sup>2</sup> enable uninterrupted multitasking. Immerse yourself in the entertainment you love with the enhanced LCD display and share your ideas through the FHD camera. A PC that has got you covered.



\*Product image may differ from actual product



### Set course on a visual adventure with the enhanced 16 inch display

Enjoy your favorite content with less bezel for a greater view and rich visuals on an expansive screen.



**Break new creative ground everyday**  
Amp your productivity with an Intel® Processor<sup>1</sup>, HP Fast Charge<sup>2</sup>, larger touchpad and expanded port lineup.



**Share your projects from anywhere**  
Present your creations and ideas with the FHD IR camera with manual shutter and facial recognition<sup>3</sup>.

## Sustainability in action

### Built for a better tomorrow

The HP Pavilion 16 inch PC is designed using recycled metals and post-consumer ocean-bound plastics<sup>4</sup>.

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## Featuring

### Get a fresh perspective

From a rejuvenated Start menu, to new ways to connect to your favorite people, news, games, and content—Windows 11 is the place to think, express, and create in a natural way.<sup>5</sup>

### Game without compromise. Go beyond performance with Intel Core Ultra Processors.

Be everything you want to be, in-game and out with optimized performance and new features. Play harder and work smarter with Intel Core Processors.<sup>6</sup>

### Intel® Graphics

Enjoy vivid and immersive visuals in creative applications and gaming.<sup>7</sup>

### Flicker-free

Using DC Dimming technology that controls brightness by adjusting direct current rather than cycling the backlight, we can eliminate screen flickering for more comfortable viewing.<sup>8</sup>

### Anti-glare panel

Enjoy the sun and your favorite content with this anti-glare panel. Non-reflective and low gloss means you'll get less glare while you're outside.

### Visibly brilliant detail

With 300 nits of brightness, view beautiful details, enhanced image quality, and distinct shades of color—even in bright lighting conditions.<sup>9</sup>

### 16:10 aspect ratio

A 16:10 aspect ratio lets you see more of your content with less scrolling.

### Keyboard keycaps contain post-consumer recycled plastic

We're bringing a more sustainable design to our keyboards by using keycaps made with post-consumer recycled plastic.<sup>10</sup>

### EPEAT® Gold with Climate+

With EPEAT® Gold with Climate+, you're choosing a movement towards responsibility and climate action.<sup>11</sup>

### ENERGY STAR® certified

Save energy and money with ENERGY STAR®, certified by the EPA so you will use less energy and save money where it counts most.<sup>12</sup>

### Recycled aluminum

Because little things make a big difference, this laptop design includes sustainable materials like recycled aluminum.<sup>13</sup>

### Enjoy access to over 100 PC games for 3 months<sup>1 2</sup>

Play hundreds of PC games with your new HP device and 3 months of PC Game Pass – including EA play. With new games added all the time, there's always something new to play.<sup>1 2, 14</sup>

### HP Fast Charge

When your laptop is low on power, no one has time to wait hours to recharge. Power down your device and go from 0 to 50% charge in approximately 30 minutes.<sup>15</sup>

### PCIe SSD storage

Boot up in seconds with lightning fast speed with up to 1 TB PCIe SSD storage.

### Connected Modern Standby

Stay up-to-date on your email, calendar notifications, and more—even when you're not using your PC. Your PC stays connected for instant updates.

### Dual speakers

Pump up the volume to your favorite music, movie or game with dual-stereo speakers.

### LPDDR5 RAM

Experience speedy and responsive performance with the power efficient LPDDR5 memory. Designed to support higher data rates with less latency, plus faster file transfers and application load.

### Microphone Mute

Enjoy greater peace of mind and the convenience of a dedicated microphone mute button that you can easily activate and know it's on or off with an LED indicator light.

### Camera Shutter

No more unsightly tape and tacky gum to hide your private moments. Ensure your privacy and security with a visible, physical shutter that turns off your PC's camera when not in use.

### USB Type-C® Power + Display + 10Gbps signaling rate

Power your device or connect to an external display from just one USB-C® port with 10Gbps signaling rate. And it's reversible, so you never have to worry about plugging in upside down.<sup>16</sup>

### HP Imagepad with multi-touch gesture

This true multi-touch touchpad supports four finger gestures and lets you scroll, zoom, and navigate with a simple touch.

### Backlit keyboard with integrated numeric pad

Keep going even in dimly lit rooms or aboard red-eye flights. With an illuminated keyboard and integrated numeric pad, you can type comfortably in more environments.

### Dropbox cloud storage

Store and synchronize your content online with Dropbox. Get 25 GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access.<sup>17</sup>

### Copilot in Windows with Copilot key

Copilot in Windows gives you intelligent answers. Access with just the touch of the Copilot key.<sup>18</sup>

### HP True Vision FHD

Video chat in vibrant clarity with Full HD resolution, even in low light, and make every conversation a face-to-face experience for a better way to stay in touch.<sup>3</sup>



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## Specifications



## Performance

**Operating system**  
Windows 11 Home

**Processor**  
Intel® Core™ Ultra 5 125U (up to 4.3 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 12 cores, 14 threads)<sup>6,7</sup>  
Processor family: Intel® Core™ Ultra 5 processor

**Chipset**  
Intel® integrated SoC

**Memory**  
16 GB LPDDR5-6400 MT/s (onboard)  
Transfer rates up to 6400 MT/s.  
Number of User-accessible Memory Slots: 0

**Storage**  
1 TB PCIe® NVMe™ SSD  
25 GB Dropbox storage for 12 months<sup>1</sup>

**Graphics**  
Integrated: Intel® Graphics;

**Audio**  
DTS:X® Ultra;Dual speakers;HP Audio Boost

**Display**  
40.6 cm (16") diagonal, 2K (1920 x 1200), IPS, micro-edge, anti-glare, 300 nits, 62.5% sRGB<sup>17</sup>

**Screen-to-body ratio**  
88.90%<sup>18</sup>

**Power**  
65 W USB Type-C® power adapter;

**Battery type**  
3-cell, 59 Wh Li-ion polymer<sup>23</sup>

**Battery and Power**  
Up to 11 hours<sup>3</sup>;  
Supports battery fast charge: approximately 50% in 30 minutes<sup>5</sup>

**Maximum battery life video playback**  
Up to 19 hours<sup>10</sup>

## Connectivity

**Wireless connectivity**  
Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card <sup>12,46</sup>  
HP Extended Range Wireless LAN;Modern Standby (Connected)

**Ports**  
2 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 USB Type-A 10Gbps signaling rate; 1 USB Type-A 5Gbps signaling rate; 1 HDMI-out 2.1; 1 headphone/microphone combo<sup>19</sup>

**Webcam**  
HP True Vision 1080p FHD camera with temporal noise reduction and integrated dual array digital microphones

## Sustainability

**Ecolabels**  
EPEAT® Gold with Climate+<sup>27</sup>

**Energy star certified**  
ENERGY STAR® certified

**Sustainable impact specifications**  
Ocean-bound plastic in speaker enclosure(s) and bezel; Keyboard keycaps and scissors contain post-consumer recycled plastic; Recycled metal in cover, keyboard frame, sideband and hinge cap(s)<sup>39,40,41</sup>

## Design

**Product color**  
Natural silver aluminum  
Matte finish

## Software

**HP apps**  
HP Support Assistant; HP Connection Optimizer; OMEN Gaming Hub; HP Enhanced Lighting; myHP

**Software**  
Intel® Unison™; Copilot in Windows with Copilot key;  
1 month trial for new Microsoft 365 customers<sup>24</sup>

**Service & support**  
McAfee Online Protection 30-day trial; 1-month Adobe free trial offer; PC Game Pass 3-month trial <sup>2,25</sup>

## Additional information

**Part Number**  
P/N: BZ6M3EA #BED  
UPC/EAN code: 199251790812

**Weight**  
1.77 kg;  
Packed: 2.52 kg

**Dimensions**  
35.77 x 25.48 x 1.79 cm (front); 35.77 x 25.48 x 1.86 cm (rear);  
Packed: 6.9 x 55.2 x 30.5 cm

**Manufacturer Warranty**  
1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

**Support service included**  
HP 3 years Return to Depot Notebook Service. For terms and conditions, please visit [https://h20195.www2.hp.com/v2/GetPDF.aspx/4AA3-8281EEE & https://www8.hp.com/h20195/v2/getpdf.aspx/4AA5-7123EEEE.pdf](https://h20195.www2.hp.com/v2/GetPDF.aspx/4AA3-8281EEE&https://www8.hp.com/h20195/v2/getpdf.aspx/4AA5-7123EEEE.pdf)

**Keyboard**  
Full-size, backlit, soft grey keyboard with numeric keypad  
HP Imagepad;Precision Touchpad support

**Security management**  
Mic mute key; Camera privacy shutter; Trusted Platform Module (Firmware TPM) support



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## Footnotes

### Messaging Footnotes

<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.

<sup>2</sup> Recharges your battery up to 50% within 30 minutes when the system is off using "shut down" command, using HP adapter provided with the notebook or recommended power adapter disclosed in specifications (see <http://store.hp.com>). After charging has reached 50% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. Available on select HP products.

<sup>3</sup> Features may require software or other 3rd party applications to provide the described functionality.

<sup>4</sup> Laptops manufactured with recycled ocean-bound plastic material in product speaker enclosures, recycled aluminum material in product cover and post-consumer recycled plastic in keycaps. Percentage of material contained in each component varies by product.

<sup>5</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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.

<sup>6</sup> Intel and Core are trademarks of Intel Corporation in the U.S. and other countries.

<sup>7</sup> For more complete information on configurations and workloads, visit [www.intel.com/PerformanceIndex](http://www.intel.com/PerformanceIndex). Intel technologies may require enabled hardware, software or service activation. No product or component can be absolutely secure. Your costs and results may vary. © Intel Corporation. Intel, the Intel logo, and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as the property of others.

<sup>8</sup> The flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights.

<sup>9</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

<sup>10</sup> Percentage of post-consumer recycled plastic contained in keycap varies by product.

<sup>11</sup> EPEAT® Gold with Climate+ registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country.

<sup>12</sup> ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.

<sup>13</sup> Includes recycled metal.

<sup>14</sup> 1 PC Game Pass: Subscription continues automatically at regular monthly price unless cancelled. For complete subscription terms and how to cancel, see [xbox.com/subscriptionterms](http://xbox.com/subscriptionterms). Terms and exclusions apply. Game catalog varies over time, by region, and by device. All rights reserved. [xbox.com/pcgamepass](http://xbox.com/pcgamepass), [ea.com/ea-play/terms](http://ea.com/ea-play/terms). <sup>2</sup> 3-month trial offer - Promotional offers may be for new members only and/or not be valid for all members and are only available for a limited time. Offers not valid in Russia and Turkey; other geographic restrictions may apply. Credit card and Xbox account required. After promotional period, subscription automatically continues at the then-current regular price (subject to change), unless cancelled, plus applicable taxes. To cancel your subscription or turn off recurring billing in your Microsoft account ([account.microsoft.com/services](http://account.microsoft.com/services)) or on your Xbox console, see <https://support.xbox.com/help/subscriptions-billing/manage-subscriptions/cancel-recurring-billing-or-subscription>. Purchase of Xbox Game Pass Ultimate automatically upgrades your existing Xbox Live Gold, Xbox Game Pass (PC or Console), and/or EA Play membership(s) to Xbox Game Pass Ultimate at a conversion ratio each based on days remaining. Learn how this works at [www.xbox.com/gamepass](http://www.xbox.com/gamepass). See Microsoft <https://www.xbox.com/en-US/legal/subscription-terms> for more details.

<sup>15</sup> Recharges your battery up to 50% within 30 minutes when the system is off using "shut down" command, using HP adapter provided with the notebook or recommended power adapter disclosed in specifications (see <http://store.hp.com>). After charging has reached 50% capacity, charging speed will return to normal speed. Charging time may vary +/- 10% due to System tolerance. Available on select HP products.

<sup>16</sup> Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum. Display measured diagonally

<sup>17</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>18</sup> Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. See [aka.ms/copilotpluspcs](http://aka.ms/copilotpluspcs). Copilot is NOT available in China, Russia, Belarus, and embargoed regions Cuba, Iran, North Korea, Crimea

### Technical Specifications Footnotes

<sup>1</sup> 25 GB of free Dropbox storage for 12 months from date of registration. For complete details and terms of use, including cancellation policies, visit the Dropbox website at <https://www.dropbox.com/help/space/hp-promotion>. Internet service required and not included.

<sup>2</sup> Internet access required and not included. McAfee is pre-installed on your PC and an account is required for activation. Subscription renewal required after trial period. VPN feature is not available in India, China, Syria or North Korea. McAfee is not compatible with Windows 11 in S mode. You'll need to permanently switch out of S mode. There's no charge to switch out of S mode, but you won't be able to turn it back on.

<sup>3</sup> MobileMark 25 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 <https://bapco.com/products/mobilemark-25/> for additional details.

<sup>5</sup> Recharges your battery up to 50% within 30 minutes when the system is off using "shut down" command, using HP adapter provided with the notebook or recommended power adapter disclosed in specifications (see <http://store.hp.com>). After charging has reached 50% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. Available on select HP products.

<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, branding and/or naming is not a measurement of higher performance.

<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.

<sup>10</sup> Battery life tested by HP using continuous FHD video playback, 1080p (1920x1080) resolution, 150 nits brightness, system audio level at 17% as image default, player audio level at 100%, played full-screen from local storage, headphone attached or through speaker (if no audio jack port), wireless on but not connected. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage.

<sup>12</sup> Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where 6GHz is supported.

<sup>17</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

<sup>18</sup> Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.

<sup>19</sup> For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.

<sup>23</sup> Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.

<sup>24</sup> Must activate within 180 days of Windows activation.

<sup>25</sup> Offer available worldwide (excluding China and embargoed countries or other countries identified as restricted by applicable law or regulation) to new and existing subscribers who are 18+. Click on the Adobe icon in the start menu to redeem a 1-month free trial membership for select Adobe software. The software is tied to the device and is not transferrable. If you would like to sign up for an auto-renewing subscription, you can provide your payment method at sign-up. By adding a payment method, your subscription will automatically renew at the then current rate on your renewal date until you cancel. If you cancel before the end of the one-month free trial, you won't be charged. You can cancel your subscription anytime via your Adobe Account page or by contacting Customer Support. Please see current prices for Adobe products available in this offer. Offer not available to Education, OEM, or volume licensing customers. Subject to availability where the recipient resides. Additional terms and conditions may apply. VOID WHERE PROHIBITED OR RESTRICTED BY LAW.

<sup>27</sup> Based on U.S. EPEAT® registration according to IEEE 16801-2018 EPEAT®. EPEAT® status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information.

<sup>37</sup> Weight and system dimensions may fluctuate due to configuration and manufacturing variances.

<sup>39</sup> Percentage of ocean-bound plastic contained in each component varies by product.

<sup>40</sup> Laptops manufactured with recycled metal material in product cover. Percentage of recycled metal varies by product.

<sup>41</sup> Keyboard components contain post-consumer recycled plastic. Percentage of post consumer recycled contained in each component varies by product.

<sup>45</sup> The Flicker-free capability is eliminating screen flickering through integrating DC-dimming LED backlights or LED emissions. OLED panel is functional with DC-DIMMING when above 100nits.

<sup>46</sup> Bluetooth® 5.3 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.3 will function as Bluetooth® 5.2 or lower.

