

# HP Pavilion Laptop 16-af0505sa

## 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

With Intel® Arc™ graphics<sup>1</sup> built-in, AI powers advanced creation and gameplay. Enjoy the high performance needed for accelerated creation and immersive high-resolution gaming, even while on-the-go.<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>

### Widescreen Ultra Extended Graphics Array Display

Experience your game in 1920 x 1200 pixels.<sup>9</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>10</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>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>

### McAfee Online Protection 30-day trial

Secure your device with award winning antivirus and online protection. Free trial includes secure VPN for privacy and data protection when browsing on public Wi-Fi<sup>13</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>14</sup>

### PCIe SSD storage

Boot up in seconds with lightning fast speed with up to 512 GB 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>15</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>16</sup>

### Copilot in Windows with Copilot key

Copilot in Windows gives you intelligent answers. Access with just the touch of the Copilot key.<sup>17</sup>

### HP True Vision FHD IR camera

Log in safely through Windows Hello with the infrared sensor. With an 88-degree, wide-angle field of view, you can video chat with your entire family or group of friends in stunning detail.<sup>3</sup>

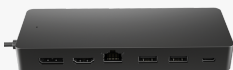
## Recommended accessories and services (not included)



HP Prelude Pro 17.3-inch Laptop Bag  
3E2P1AA



HP 450 Programmable Wireless Keyboard  
4R184AA



HP Universal USB-C Multiport Hub  
50H98AA



3-year pickup and return  
U4819E



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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 MHz RAM (onboard)  
Transfer rates up to 6400 MT/s.  
Number of User-accessible Memory Slots: 0

**Storage**  
512 GB 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, WUXGA (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**  
Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)<sup>11,12,13,46</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 IR camera with temporal noise reduction and integrated dual array digital microphones

## Sustainability

**Ecolabels**  
EPEAT® Gold registered<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**  
Sky blue  
Matte paint 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; Xbox Game Pass 1-month free trial<sup>2,25,43</sup>

## Additional information

**Part Number**  
P/N: A4JM8EA #ABU  
UPC/EAN code: 198415341624

**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.

**Keyboard**  
Full-size, backlit, darker sky blue opaque 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). Recommended for use with the HP adapter provided with the notebook, not recommended with a smaller capacity battery charger. 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. See <http://store.hp.com> for a full list of product features.

<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> Intel® Arc™ graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system

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

<sup>9</sup> WUXGA content is required to view WUXGA images.

<sup>10</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

<sup>11</sup> Percentage of post-consumer recycled plastic contained in keycap varies by product.

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

<sup>13</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>14</sup> Recharges your battery up to 50% within 30 minutes when the system is off (using "shut down" command). Recommended for use with the HP adapter provided with the notebook, not recommended with a smaller capacity battery charger. 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. See <http://store.hp.com> for a full list of product features.

<sup>15</sup> Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum.

<sup>16</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>17</sup> Requires Windows 11 and compatible processor with an NPU. Availability and features vary by market and device. Requires Microsoft account to log in. Where Copilot in Windows is not available, the Copilot key will lead to Windows Search. See <http://aka.ms/WindowsAIFeatures>

## 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://bapca.com/products/mobilemark-25/> for additional details.

<sup>9</sup> Recharges your battery up to 50% within 30 minutes when the system is off (using "shut down" command). Recommended for use with the HP adapter provided with the notebook, not recommended with a smaller capacity battery charger. 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. See <http://store.hp.com> for a full list of product features.

<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>11</sup> Wi-Fi 6 is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels.

<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>13</sup> Wi-Fi 6 (802.11ax) is not supported in Belarus where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac).

<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 1680.1-2018 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>43</sup> Xbox Game Pass sold separately. Credit card required. Unless you cancel, you will be charged the then-current regular membership rate when the promotional period ends. Terms, exclusions, and streaming limits apply. Xbox Cloud Gaming (Beta): select devices and regions. After term, active membership required to play games and online multiplayer. Game catalog varies over time, region, and by device. DLC sold separately; if a game is removed from catalog or your membership ends, you will need to purchase the game separately to use your DLC. If you're already an Xbox Live Gold and/or Game Pass for Console/PC member, any days remaining in your membership(s) will be converted to Ultimate using a conversion ratio. Future code redemptions also subject to conversion ratio. All conversions to Ultimate are final. Details and system requirements at [www.xbox.com/gamepass](http://www.xbox.com/gamepass). Offer valid in all Xbox Game Pass markets excluding Russia. Digital Direct: Your digital content will be delivered directly to your device during set-up; no codes required.

<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.

