

# HP Pavilion Plus Laptop 16-ab1500sa

## Take on the world with the HP Pavilion Plus 16" Laptop

Step it up with the HP Pavilion Plus 16" Laptop PC, with a powerful Intel® Core™ Processor<sup>1</sup>, mesmerizing screen enhancements, and seamless collaboration tools that give you the edge to surpass all expectations. Login fast via the 5MP camera with Windows Hello<sup>2</sup>, while specialty video controls keep you looking good and connected with everyone.



\*Product image may differ from actual product



**Powerful performance with an Intel® Processor**

With an Intel® Core™ Processor<sup>1</sup> and enhanced software, the HP Pavilion Plus is ready for your toughest tasks.



**Experience every detail on a pixel-perfect display**

Enjoy every vibrant detail for work and entertainment on a 16" WQXGA display<sup>3</sup> with Eyesafe® certification<sup>4</sup>.



**Seamless connectivity and collaboration**

Show up with a 5MP camera, dual-array mic for seamless connectivity and collaboration.

## Sustainability in action

A PC that's good for the planet, amazing for you

EPEAT® Gold<sup>5</sup> and ENERGY STAR® certified; Made with ocean-bound and post-consumer recycled plastics<sup>6</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>7</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>8</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>9</sup>

**Wide Quad Extended Graphics Array Display**

Get lost in the captivating definition with 2560 × 1600 pixels.<sup>10</sup>

**Eyesafe® Certified Display**

Eyesafe® certified displays meet TÜV low blue light requirements and Eyesafe® standards for protecting your eyes from harmful blue light without distorting colors to reduce eyestrain when working for long periods of time.

**100% sRGB**

Showcase your creations in all their colors on the 100% sRGB display for maximum color broadness and accuracy.

**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>

**Recycled aluminum**

Because little things make a big difference, this laptop design includes sustainable materials like recycled aluminum.<sup>12</sup>

**McAfee Online Protection 12-month 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>

**Liberating battery life**

Take on your day without worrying about recharging. With up to 9 hours of battery life, you can work, watch more, and spend more of your time totally untethered.<sup>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.

**Wi-Fi 6E (2x2) and Bluetooth® 5.3 wireless card**

Enjoy faster speeds, improved performance, greater capacity and lower latencies than earlier iterations with Wi-Fi 6E and Bluetooth® 5.3 wireless card.<sup>16</sup>

**Dual speakers**

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

**HP Audio Boost**

Take your audio experience to the next level with smart amplification technology giving you loud, clear and dynamic sound.

**LPDDR5X RAM**

Experience speedy and responsive performance with the power efficient LPDDR5X 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.

**EPEAT® Gold registered**

EPEAT® Gold registered products are the highest-rated products that meet all of EPEAT required criteria. EPEAT is the world's premier ecolabel for electronics.<sup>17</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>18</sup>

**Thunderbolt™ 4 with USB4™ Type-C®**

The latest Thunderbolt™ solution lets you power your device or connect up to two 4K displays with a single cable and blazing 40Gbps signaling rate.

**HDMI out**

It's never been easier to give your device a bigger or second display. With HDMI output you can transmit HD video and sound with just one standard cable.

**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>19</sup>

**5MP IR camera with temporal noise reduction and integrated dual array digital microphones**

The high-quality-camera lets you video chat in stunning detail, at up to 2592x1944 resolution.<sup>20</sup>

**Try PC Game Pass for free with your new HP device**

Play hundreds of high-quality PC games with your new HP gaming device and 3 free months of PC Game Pass – including EA play. With new games added all the time, there's always something new to play.<sup>21</sup>

## Recommended accessories and services (not included)



3-year pickup and return  
U4819E



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## Specifications



## Performance

**Operating system**

Windows 11 Home

**Processor**

Intel® Core™ Ultra 7 155H (up to 4.8 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 16 cores, 22 threads)<sup>6,7</sup>

Processor family: Intel® Core™ Ultra 7 processor

**Performance technology**

Intel® Evo™ laptop

**Chipset**

Intel® integrated SoC

**Memory**

16 GB LPDDR5x-6400 MT/s (onboard)

Transfer rates up to 6400 MT/s.

Number of User-accessible Memory Slots: 0

**Storage**

1 TB PCIe® NVMe™ M.2 SSD

25 GB Dropbox storage for 12 months<sup>1</sup>

**Graphics**

Integrated: Intel® Arc™ Graphics;

Intel® Arc™ Graphics capabilities require system to be configured with Intel® Core™ Ultra processors with and dual channel memory and at least with 16GB (and above) memory. Intel® Arc™ Graphics with Intel® Core™ Ultra processors with and single channel memory will only function as Intel® Graphics brand.

**Audio**

DTS:X® Ultra; Dual speakers; HP Audio Boost; Poly Studio

**Display**

40.6 cm (16") diagonal, WQXGA (2560 x 1600), 48-120 Hz, IPS, micro-edge, anti-glare, Low Blue Light, 400 nits, 100% sRGB<sup>17,21,28</sup>

**Screen-to-body ratio**

89.74%<sup>18</sup>

**Power**

90 W AC power adapter;

**System coolers**

**Battery type**

4-cell, 68 Wh Li-ion polymer<sup>23</sup>

**Battery and Power**

Up to 9 hours and 30 minutes<sup>3</sup>;

Supports battery fast charge: approximately 50% in 30 minutes<sup>5</sup>

**Maximum battery life video playback**

Up to 18 hours and 15 minutes<sup>10</sup>

## Connectivity

**Wireless connectivity**

Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card<sup>12,46</sup>

**Ports**

1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 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 AC smart pin; 1 HDMI-out 2.1; 1 headphone/microphone combo<sup>19</sup>

**Webcam**

5MP 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, base, sideband, hinge cap(s) and keyboard supporting plate<sup>39,40,41</sup>

## Design

**Product color**

Natural silver aluminum

Sandblasted cover, matte finish base and keyboard frame

## Software

**HP apps**

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

**Software**

Intel® Unison™;

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; PC Game Pass 3-month trial<sup>2,25,43</sup>

## Additional information

**Part Number**

P/N: BL1L1EA #ABU

UPC/EAN code: 199251204319

**Weight**

1.89 kg;

Packed: 2.7 kg

**Dimensions**

35.7 x 25.35 x 1.77 cm (front); 35.7 x 25.35 x 1.99 cm (rear);

Packed: 6.9 x 55.2 x 34.5 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, soft grey keyboard with numeric keypad

HP Imagepad

**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 is not a measurement of higher performance.

<sup>2</sup> Features may require software or other 3rd party applications to provide the described functionality.

<sup>3</sup> WQXGA content required to view WQXGA images.

<sup>4</sup> Eyesafe® Display for Low Blue Light is the Display Compliance Test Specification quality. See <https://eyesafe.com> for more details.

<sup>5</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>6</sup> Laptops manufactured with recycled ocean-bound plastic material in product bezel and speaker enclosures, post-consumer recycled plastic in keycaps and scissors and recycled metals in A cover, C cover, D cover, sideband, hinge caps and keyboard supporting plate. Percentage of ocean-bound, post-consumer recycled plastic and recycled metals contained in each component varies by product.

<sup>7</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>8</sup> Intel and Core are trademarks of Intel Corporation in the U.S. and other countries.

<sup>9</sup> The flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights.

<sup>10</sup> WQXGA content is required to view WQXGA images.

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

<sup>12</sup> Includes recycled metal.

<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> 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>15</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>16</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 Wi-Fi 6E is supported. Wi-Fi 6E is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately. 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.

<sup>17</sup> EPEAT® Gold registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country.

<sup>18</sup> ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.

<sup>19</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>20</sup> Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included.

<sup>21</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. PC Game Pass: Subscription continues automatically at regular monthly price unless cancelled. Subject to [xbox.com/subscriptionterms](http://xbox.com/subscriptionterms)

## 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). 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>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>21</sup> TÜV Low Blue Light is the Display Compliance Test Specification quality. See <https://www.certipedia.com/?locale=en#search> for more details.

<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>28</sup> Eyesafe® Display for Low Blue Light is the Display Compliance Test Specification quality. See <https://eyesafe.com> for more details.

<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.

