Datasheet

HP Pavilion Aero Laptop 13-be0097nr

Designed with the environment in mind

This ultra lightweight laptop has a 16:10 aspect ratio[2] for a larger screen.



Ultra-lightweight
Incredibly lightweight and packs a punch to your most demanding daily tasks.

Amazing viewing experience
See more of your content and enjoy stunning life-like visuals on a 16:10 micro-edge display[2] with up to 400 nits of brightness.

Built with the environment in mind
This laptop is Energy Star Certified, EPEAT Silver registered[3] and made using sustainable, post-consumer recycled, and ocean-bound plastics[4]

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Featuring

Get a fresh perspective
Windows 11 provides a calm and creative space where you can pursue your passions through a fresh experience. 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.[6]

AMD Ryzen™ 7 Processor
Tap into truly impressive notebook performance. A revolutionary new architecture with amazing battery life that delivers exceptional multi-threaded processing and Vega graphics for intensive multimedia tasks.[7]

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.

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

Visibly brilliant detail
With 400 nits of brightness, view beautiful details, enhanced image quality, and distinct shades of color—even in bright lighting conditions.[8]

Ocean-bound plastic
Built with the environment in mind, our laptop design includes sustainable materials like ocean-bound plastic in the speaker enclosure.[9]

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.[10]

McAfee® LiveSafe™
Protect your operating system with a free 30-day McAfee® LiveSafe™ subscription.[11]

Liberating battery life
Take on your day without worrying about recharging. With up to 10 hours of battery life, you can work, watch more, and spend more of your time totally untethered.[12]

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 45 minutes.[13]

PCIe SSD storage
Boot up in seconds with lightning fast speed with up to 512 GB PCIe SSD storage.

Effortlessly connected
Enjoy ultra-fast gigabit data rate with a Wi-Fi 6 (2x2) and Bluetooth® 5.2 combo[14]

DDR4 RAM
Designed to run more efficiently and more reliably at faster speeds, DDR4 is the future of RAM. With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.

Fingerprint reader
Seamlessly log in into your device in any mode with the touch of your finger. Patented 3-D fingerprint technology ensures secure access and online payments.[15]

SuperSpeed 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.[16]

Optimized metal design
Streamlined, premium metal design delivers a thinner, lighter PC while providing robust durability—thanks to advanced 3D metal-forming technology.

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.

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.[17]

HP Wide Vision HD Camera
The 88-degree, wide-angle field of view lets you video chat with the entire family or group of friends in crystal clear detail.[18]

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Specifications

Performance

Operating system
Windows 11 Home[38]
Processor family
AMD Ryzen™ 7 processor
Processor
AMD Ryzen™ 7 5800U (up to 4.4 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads)[6,7]
Chipset
AMD Integrated SoC
Memory
16 GB DDR4-3200 MHz RAM (onboard)
Number of user-accessible
0
Storage
512 GB PCIe® NVMe™ M.2 SSD
Optical drive not included
Graphics
Integrated: AMD Radeon™ Graphics
Audio
Audio by B&O; Dual speakers; HP Audio Boost
Display
33.8 cm (13.3") diagonal, WUXGA (1920 x 1200), IPS, micro-edge, anti-glare, 400 nits, 100% sRGB[17]
Screen-to-body ratio
89.65%[18]
Power supply
45 W Smart AC power adapter
Battery type
3-cell, 43 Wh Li-ion polymer [21]
Battery and Power
Up to 10 hours and 30 minutes[3]
Maximum battery life video playback
Up to 10 hours and 15 minutes[10]
Battery recharge time
Supports battery fast charge: approximately 50% in 30 minutes[5]

Connectivity

Wireless connectivity
Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)
MU-MIMO supported; Miracast® compatible
Ports
1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.0; 1 AC smart pin; 1 headphone/microphone combo [19]
Webcam
HP Wide Vision 720p HD camera with integrated dual array digital microphones

Design

Product color
Natural silver magnesium-aluminum Thixomolding cover and keyboard frame, natural silver base
Two-coat high bake paint finish

Software

HP apps
HP Audio Switch; HP Support Assistant; HP Connection Optimizer; HP BIOS Protection; HP QuickDrop; MyHP; OMEN Gaming Hub [4,29,30]
Software
25 GB Dropbox storage for 12 months[1]; 1 month trial for new Microsoft 365 customers[24]
Service & support
McAfee LiveSafe™; 1-month Adobe free trial offer[2,25]

Additional information

Part Number
P/N: 406J8UA#ABA
UPC/EAN code: 195908704287
Energy efficiency compliance
ENERGY STAR® certified EPEAT® registered[27]
Sustainable impact specifications
Ocean-bound plastic in speaker enclosure; Keyboard keycaps made with post-consumer recycled plastic[39,41]
Weight
Unpackaged: <1 kg
Packaged: 1.58 kg
Dimensions (Width x Depth x Height)
Unpackaged: 29.7 x 20.9 x 1.69 cm
Packaged: 6.9 x 48.3 x 30.5 cm
Manufacturer Warranty
1-year limited hardware warranty. Additional information available at www.support.hp.com; 1-year limited technical support for software and initial setup (from date of purchase)[4,14]
Input devices
Full-size, natural silver keyboard
HP Imagepad with multi-touch gesture support; Precision Touchpad Support
Features
Support AMD Radeon FreeSync™ technology[29]
Security management
Trusted Platform Module (Firmware TPM) support
Fingerprint reader

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Key Selling Points Footnotes

[1] 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.
[2] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.
[3] Based on U.S. EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
[4] Laptops manufactured with ocean-bound plastic material in product speaker enclosures and keyboard keycaps contain post-consumer recycled plastic. Percent of recycled materials contained in each component varies by product.
[5] The flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights.

Feature Messaging Footnotes

[6] 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.
[7] 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.
[8] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[9] Percentage of ocean-bound plastic contained in each component varies by product.
[10] Percentage of post-consumer recycled plastic contained in keycap varies by product.
[11] Internet service required and not included. Subscription required after 30 days.
[12] 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-2018/ for additional details.
[13] Recharges your battery up to 50% within 45 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.
[14] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Requires a wireless router, sold separately, that supports 80MHz channels. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other Wi-Fi 6 devices. Only available in countries where 802.11ax is supported.
[15] Internet service required and not included.
[16] Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum.
[17] 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. Internet service required and not included.
[18] Features may require software or other 3rd party applications to provide the described functionality.
[14] The Flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights.
[15] 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 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.

Technical Specifications Footnotes

[1] 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.
[2] Free 30 day subscription of McAfee LiveSafe service included. Internet access required and not included. Subscription required after expiration.
[3] Windows MobileMark 18 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-2018/ for additional details.
[4] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited.
[5] 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.
[6] 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.
[7] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.
[10] 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.
[14] Call 1.800.474.6836 or support.hp.com for more information on Care Packs available after standard warranty expires. After standard warranty expires, an incident fee may apply.
[17] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[18] Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.
[19] For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.
[21] 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.
[24] Must activate within 180 days of Windows activation.
[25] Offer available worldwide 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 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. 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.
[27] Based on U.S. EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
[29] HP BIOS Protection works with Windows 10 that ships with your PC.
[30] For more information visit 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.
[38] 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
[39] Percentage of ocean-bound plastic contained in each component varies by product.
[41] Keyboard keycap contains post-consumer recycled plastic. Percentage of Post consumer recycled contained in each component varies by product.

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