HP Pavilion Gaming Laptop 17-cd1038nm

For multiplayers and multitaskers

Sacrifice nothing with the thin and powerful HP Pavilion Gaming Laptop. Experience high-grade graphics and processing power for gaming and multitasking, plus improved thermal cooling for overall performance and stability. Immerse yourself in the game with a narrow bezel display and custom-tuned audio. The perfect balance between work and play, so you can do it all.

*Product image may differ from actual product

Power your day. Power your play.
Take on anything and everything with a 10th generation Intel® Core™ processor[1] and NVIDIA® GeForce® graphics. A high resolution display with fast refresh rate delivers smooth gameplay visuals, while also bringing entertainment and content to life.

Game harder for longer
The HP Pavilion Gaming Laptop is equipped with a dual fan system for enhanced thermal cooling. Wide rear corner vents and additional air inlets maximize airflow to optimize your overall performance and stability, keeping the machine cool during extended usage.

Bold, immersive design
Get lost in the game. A sleek narrow bezel display provides a maximum viewing experience while the front-firing speakers with Audio by B&O deliver powerful, custom-tuned sound.

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Featuring

10th Generation Intel® Core™ processor
Experience power and responsive performance to boost your productivity. Enjoy immersive entertainment and game, stream and create content with accelerated performance.[2]

NVIDIA® GeForce® GTX 1650 graphics
With the all-new NVIDIA Turing™ architecture, gaming and streaming will never be the same. Get all the power you need for fast, smooth, power-efficient performance from NVIDIA® GeForce® GTX 1650.

FHD IPS display
Enjoy crystal-clear images from any angle. With 178° wide-viewing angles and a vibrant 1920 x 1080 resolution, you'll always have a great view of your favorite content.[3]

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.[4]

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

Effortlessly connected
Enjoy a smoother wireless experience with Wi-Fi 6 (2x2) and Bluetooth® 5.0 combo, all your connections are solid and up to 3x faster file transfer speeds than Wi-Fi 5.[5]

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.

SuperSpeed USB Type-C® Power + Display + 10Gb/s 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.[6]

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.[7]

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.

OMEN Command Center
A single touch-point for all HP gaming systems. System Vitals dynamically display your key metrics for optimal performance, while Network Booster sends gaming network traffic to the front of the line.

Enhanced thermal solution
The latest in heat management brings you an enhanced heat-pipe design, stabilizing your work and play in a cooling environment.[14]

Narrow bezel display
By squeezing a larger screen into a smaller frame, this narrow bezel optimizes your display's appearance with an efficient design.

Sleek design
Easily take this thin and light PC from room to room or on the road. When your PC goes wherever you go, staying productive and entertained has never been easier.

A truly powerful audio experience
With HP Dual Speakers, HP Audio Boost, and custom tuning by the experts at B&O, you can experience rich, authentic audio. Let the sound move you.

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.[15]

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Specifications

Performance

Operating system
FreeDOS
Processor
Intel® Core™ i5-10300H (2.5 GHz base frequency, up to 4.5 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores)[6,7]
Processor family: 10th Generation Intel® Core™ i5 processor
Chipset
Intel® HM470
Memory
16 GB DDR4-2933 SDRAM (2 x 8 GB)
Memory slots: 2:
Transfer rates up to 2933 MT/s.
Storage
512 GB PCIe® NVMe™ M.2 SSD
Optical drive not included
Graphics
Discrete: NVIDIA® GeForce® GTX 1650 Ti (4 GB GDDR6 dedicated) ;
Powered by NVIDIA Turing™ GPU architecture
Audio
Audio by B&O; Dual speakers; HP Audio Boost 1.0
Display
43.9 cm (17.3") diagonal, FHD (1920 x 1080), IPS, anti-glare, 300 nits, 100% sRGB[17]
Screen-to-body ratio
79.9%[18]
Power
150 W Smart AC power adapter;
Battery type
3-cell, 52.5 Wh Li-ion polymer;
215 g;
Battery and Power
Up to 6 hours and 15 minutes[3];
Supports battery fast charge: approximately 50% in 45 minutes[5]
Maximum battery life video playback
Up to 7 hours and 15 minutes[10]

Connectivity

Network interface
Integrated 10/100/1000 GbE LAN
Wireless connectivity
Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo (Supporting Gigabit file transfer speeds) [11,12,13,16]
Miracast compatible; MU-MIMO supported
Ports
1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 SuperSpeed USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.0; 1 RJ-45; 1 AC smart pin; 1 headphone/microphone combo
1 multi-format SD media card reader
Webcam
HP Wide Vision 720p HD camera with integrated dual array digital microphones

Design

Product color
Shadow black, green chrome logo
Paint finish

Additional information

Part Number
P/N: 2L2C6EA #BED
UPC/EAN code: 195161541377
Weight
Starting at 2.75 kg;
Packed: 4 kg
Weight Note: Weight varies by configuration
Dimensions
40.5 x 28.2 x 2.5 cm;
Packed: 6.9 x 59.8 x 34.5 cm
Dimension Note: Dimensions vary by configuration
Warranty
1 year limited parts, labour, and carry-in service; You can expand the warranty coverage of your product to reach up to 3 years in total; for more information, check with your HP reseller.
Keyboard
Full-size, acid green backlit, shadow black keyboard with numeric keypad
HP Imagepad with multi-touch gesture support; Precision Touchpad Support
Security management
Fingerprint reader not available
Sensors
Accelerometer

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Recommended accessories
* Not included.

HP Spectre USB-C Travel Dock
2SR85AA

HP Pavilion Gaming Mouse 300
4PH30AA

Warranty services*

3-year return to depot
U4817E

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. Intel's numbering, branding and/or naming is not a measurement of higher performance.

Feature Messaging Footnotes

[2] 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. Internet service required and not included. 4K content required to view full 4K images. Graphics output may be limited based on the maximum resolution of the display.
[3] Full high-definition (FHD) content is required to view FHD images.
[4] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[5] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. 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. Wi-Fi 6 (802.11ax) is not supported in Ukraine, Russia, and Indonesia where the Wi-Fi 6 (802.11ax) will be disabled and downgraded to 802.11ac by the Intel's DRS solution.
[6] Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum.
[7] Features may require software or other 3rd party applications to provide the described functionality.
[14] Thermal solution varies by configuration.
[15] 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 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

[3] Windows 10 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.
[5] 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.
[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. Intel's numbering, branding and/or naming is not a measurement of higher performance.
[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost/ for more information.
[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.
[11] Wi-Fi® supporting gigabit speeds is achievable when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160 MHz channels.
[12] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.
[13] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. 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.
[16] Wi-Fi 6 (802.11ax) is not supported in Ukraine, Russia, and Indonesia where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac).
[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.