ProductSheet
HP Pavilion Gaming Laptop 17-cd2002nu (48Y82EA)

For multiplayers and multitaskers

Sacrifice nothing with the thin and powerful HP Pavilion Gaming Laptop PC. 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.

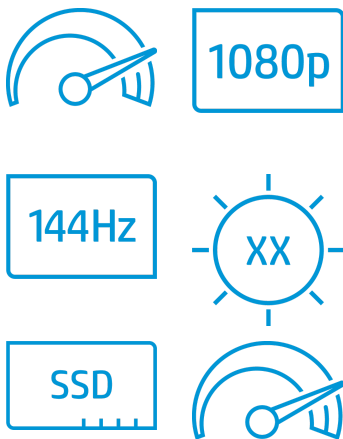**Power your day. Power your play.**
Take on anything and everything with a powerful Intel® Core™ processor[1] and NVIDIA® graphics[2]. A high resolution display with fast refresh rate delivers smooth gameplay visuals, while also bringing entertainment and content to life.

Game harder for longer
The HP Pavilion Gaming Laptop PC 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.

Featuring

Exceptional experience, anywhere
11th Gen Intel® Core™ processors bring the perfect combination of features to make you unstoppable. Get things done fast with high performance, instant responsiveness and best-in-class connectivity. [3]

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. [4]

144 Hz FHD anti-glare display
Reduce frustrating lag and image ghosting with a display that combines a 144 Hz refresh rate, G-Sync support, and a 1080p resolution for smooth, crisp gameplay. [5]

Visibly brilliant detail
With 300 nits of brightness, view beautiful details, enhanced image quality, and distinct shades of color—even in bright lighting conditions. [5]

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

Dual channel memory
With dual channel technology, two channels work simultaneously to double the communication speed between the memory controller and the RAM increasing system performance.

Specifications

Operating system	FreeDOS
Product color	Shadow black, acid green chrome logo
Processor family	11th Generation Intel® Core™ i7 processor
Processor	Intel® Core™ i7-11370H (up to 4.8 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores)[6,7]
Chipset	Intel® Integrated SoC
Memory	16 GB DDR4-3200 MHz RAM (2 x 8 GB)
Internal Storage	512 GB PCIe® NVMe™ M.2 SSD
Product design	Paint finish
Optical drive	Optical drive not included
Graphics	Discrete
Graphics (discrete)	NVIDIA® GeForce RTX™ 3050 Laptop GPU (4 GB GDDR6 dedicated)
Graphics	Integrated
Graphics (integrated)	Intel® Iris® Xᵉ Graphics
Display	43.9 cm (17.3") diagonal, FHD (1920 x 1080), 144 Hz, 7 ms response time, IPS, anti-glare, 300 nits, 100% sRGB
Display	17.3" diagonal, FHD (1920 x 1080), 144 Hz, 7 ms response time, IPS, anti-glare, 300 nits, 100% sRGB
Display size (diagonal)	43.9 cm (17.3")
Display size (diagonal)	17.3"
Audio	Audio by B&O; Dual speakers; HP Audio Boost
Minimum dimensions (W x D x H)	40.5 x 28.2 x 2.55 cm *(Dimensions vary by configuration)*
Minimum dimensions (W x D x H)	15.94 x 11.1 x 1 in
Weight	Starting at 2.75 kg *(Weight varies by configuration)*
Weight	Starting at 6.07 lb
Keyboard	Full-size, acid green backlit, shadow black keyboard with numeric keypad
Pointing device	HP Imagepad with multi-touch gesture support; Precision Touchpad Support
Input devices	Accelerometer
Webcam	HP Wide Vision 720p HD camera with integrated dual array digital microphones
Ports	1 SuperSpeed USB Type-C® 10Gbps signaling rate (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[19]
Expansion slots	1 multi-format SD media card reader
Package dimensions (W x D x H)	6.9 x 59.8 x 34.5 cm
Package weight	4 kg
Network interface	Integrated 10/100/1000 GbE LAN
Wireless	Realtek Wi-Fi CERTIFIED 6™ (1x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)
Power supply type	200 W Smart AC power adapter
Battery type	3-cell, 52.5 Wh Li-ion polymer
Battery life	Up to 4 hours and 45 minutes[3]
Battery recharge time	Supports battery fast charge: approximately 50% in 45 minutes[5]
Battery weight	0.47 lb
Battery weight	215 g
UPC number	196068312718

Top Recommended Displays, Accessories and Services

Backpacks

HP Pavilion Gaming Backpack 500	6EU58AA
HP Pavilion Gaming Backpack 300	6EU56AA

Keyboards

HP Pavilion Gaming Keyboard 800	5JS06AA
HP Pavilion Gaming Keyboard 550	9LY71AA

Mice

HP Pavilion Gaming Mouse 300	4PH30AA
HP Pavilion Gaming Mouse Pad 400	5JH72AA
HP Pavilion Gaming Mouse 200	5JS07AA
HP Pavilion Gaming Mouse Pad 300	4PZ84AA

Headsets

HP X1000 Wireless Gaming Headset	7HC43AA
HP Pavilion Gaming Headset 400	4BX31AA

Messaging 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.

[2] ©2021 NVIDIA Corporation. NVIDIA, the NVIDIA logo, GeForce, and GeForce RTX are registered trademarks and/or trademarks of NVIDIA Corporation in the United States and other countries. All other trademarks and copyrights are the property of their respective owners.

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[4] Full high-definition (FHD) content is required to view FHD images.

[5] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

[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] 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.

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[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost/ for more information.

[19] For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.