Datasheet

HP Pavilion Gaming Laptop 17-cd0033na

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.

Power your day. Power your play.
Take on anything and everything with a 9th 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 Bang & Olufsen deliver powerful, custom-tuned sound.

HP Fast Charge

[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.

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Featuring

Windows 10
Do great things confidently with the familiar feel of Windows - only better.[2]

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.

Micro Edge display
By squeezing a larger screen into a smaller frame, this ultra-thin, barely visible bezel revolutionizes your display's appearance with a beautifully efficient design.

Highly accurate color
With the 72% NTSC color space, this HP display provides ideal color reproduction with minimal effort. Perfect for photos, videos—all your creative projects.[3]

With 300 nits of brightness, view beautiful details, enhanced image quality, and distinct shades of color—even in bright lighting conditions.
View beautiful details and enhanced images with 300 nits of brightness.[3]

PCIe SSD storage
Available in capacities up to 512 GB, PCIe-based flash storage is up to 17x faster than a traditional 5400-rpm laptop hard drive.[4]

NVIDIA® GeForce® GTX 1660Ti graphics
Breakthrough graphics performance powered by the ultra-speed GDDR6 technology, allowing you to stream and game smoothly with NVIDIA GeForce Experience and GameReady.

USB-C™
Power your device or connect to an external display from just one USB-C™ port with 5 Gb/s signaling rate. And it's reversible, so you never have to worry about plugging in upside down.[5]

USB 3.1 connector
With the world's most popular USB connection, you can easily connect any of your existing USB devices and experience data transfer speeds ten times faster than USB 2.0.

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.[6]

Backlit keyboard
Keep going even in dimly lit rooms or aboard red-eye flights. With an illuminated keyboard, you can type comfortably in more environments.

802.11 a/c (2x2) WLAN & Bluetooth® 5.0
Stay connected to Wi-Fi and to Bluetooth® accessories with wireless technology.[7]

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.[8]

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.

Gigabit Wi-Fi
Ultra-fast WiFi supporting gigabit speeds.[13]

MU-MIMO supported
If you have several MU-MIMO devices in your home, MU-MIMO support works in combination with a MU-MIMO router to maximize network traffic for a smoother online experience.

[2] 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 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.microsoft.com.
[3] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[4] Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD
[5] USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum.
[6] Features may require software or other 3rd party applications to provide the described functionality.
[7] Wireless access point and Internet service required. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the laptop to communicate with other 802.11ac WLAN devices. Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license.
[8] 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.
[13] Wireless access point and Internet service required. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications 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 802.11ac WLAN devices.

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Specifications

Performance

Operating system
Windows 10 Home 64

Processor
Intel® Core™ i7-9750H (2.6 GHz base frequency, up to 4.5 GHz base with Intel® Turbo Boost Technology, 12 MB cache, 6 cores)
Processor family: 9th Generation Intel® Core™ i7 processor [6,7]

Chipset
Intel® HM370

Memory
8 GB DDR4-2666 SDRAM (2 x 4 GB)
Transfer rates up to 2666 MT/s.

Storage
512 GB PCIe® NVMe™ M.2 SSD
1 TB 7200 rpm SATA
Optical drive not included
Dropbox[1]

Graphics
Discrete: NVIDIA® GeForce® GTX 1660 Ti Graphics (6 GB GDDR6 dedicated) ;
Powered by NVIDIA Turing™ GPU architecture

Audio
B&O, dual speakers, HP Audio Boost

Display
43.9 cm (17.3") diagonal FHD IPS anti-glare WLED (1920 x 1080)

Display Color Gamut
72% NTSC

Brightness(typical)
300 nits

Power
200 W AC power adapter;

Battery type
3-cell, 52.5 Wh Li-ion polymer;
215 g;

Battery and Power
Up to 7 hours and 30 minutes[3];
Supports battery fast charge: approximately 50% in 45 minutes[5]

Maximum battery life video playback
Up to 6 hours and 30 minutes[10]

Connectivity

Network interface
Integrated 10/100/1000 GbE LAN

Wireless connectivity
Intel® Wireless-AC 9560 802.11b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo (Supporting Gigabit file transfer speeds) [11,12]
MU-MIMO supported; Miracast compatible

Ports
1 USB 3.1 Gen 2 Type-C™ (10 Gb/s signaling rate, Power Delivery 3.0, DisplayPort™ 1.4, HP Sleep and Charge); 1 USB 3.1 Gen 1 Type-A (HP Sleep and Charge); 2 USB 3.1 Gen 1 Type-A (Data Transfer Only); 1 HDMI; 1 AC smart pin; 1 RJ-45; 1 headphone/microphone combo
1 multi-format SD media card reader

Webcam
HP Wide Vision HD Camera with integrated dual array digital microphone

Design

Product color
Shadow black, green chrome logo
Paint finish

Software

HP apps
OMEN Command Center; HP 3D DriveGuard; HP Audio Switch; HP CoolSense; HP JumpStart; HP Support Assistant

Software
Netflix; 1 month trial for new Microsoft Office 365 customers

Service & support
McAfee LiveSafe™ [2]

Additional information

Part Number
P/N: 7DV91EA #ABU
UPC/EAN code: 193905572199

Energy efficiency compliance
ENERGY STAR® certified; EPEAT® Silver registered

Weight
2.77 kg;
Packed: 4 kg
Weight note (metric): Weight varies by configuration

Dimensions
40.5 x 28.2 x 2.5 cm;
Packed: 6.9 x 34.5 x 59.8 cm
Dimension note (metric): Dimensions vary by configuration

Warranty
1 year limited parts, labour, and pickup and return service; You can expand the warranty coverage of your product to reach up to 3 years in total; for more information go to the "Options and accessories" web section on hp.com product pages.

Keyboard
Full-size island-style acid green backlit keyboard with numeric keypad
Touchpad with multi-touch gesture support

Sensors
Accelerometer

Recommended accessories

* Not included.

HP Pavilion Bluetooth® Headset 600
1SH06AA

HP Pavilion Gaming Headset 600
4BX33AA

HP Pavilion Wired Keyboard and Mouse 400
4CE97AA

Warranty services*

PC Care pack

3-year pickup and return
U4819E

[1] 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.
[2] McAfee LiveSafe 30-day free trial offer (Internet access required. First 30 days included. Subscription required for live updates afterwards.)
[3] Windows 10 MobileMark 14 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-2014/ 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 is not a measurement of higher performance. Intel, Pentium, Intel Core, Celeron, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries.
[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.

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June 2019