

The HP Envy 15 performs exceptionally well

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> **HP Envy 13 challenges Macbook Pro**



The HP Envy 15, currently one of the most advanced laptops on the market. Photo: *Cnet*.

The HP Envy 15, currently one of the most advanced laptops on the market. The advantage of the machine lies in the processing speed, thin and light design with beautiful decorative cover made from aluminum material, high quality screen and speakers. But the device still has the " *inherent* " drawbacks of HP laptops, which are low battery life and hot machines.

Combined with magnesium metal and decorative etching art, the HP Envy 15 has a sturdy chassis and a beautiful, modern lid.

Laptopmag compared the Envy 15 case to a snake skin. HP Envy 15 weighs 2.35 kg, is about 0.1 kg lighter than the Macbook Pro thanks to the optical drive. The two machines are as thin as 2.5 cm thick, but the HP Envy 15 is slightly more compact than the Macbook Pro.

Chiclet keyboard is gray-brown, in the same color as the case, the spacing and spreading keys are very responsive and within the frame of the machine. The keys do not " *bounce* " like many thin and light laptops in the ultraportable segment. The new HP Envy 15 keyboard with 2 extra key columns, the left column is a quick

shortcut to applications such as computers, email programs, web browsers, and the right column is the Page Up / Down keys, Home, and Delete.



Large multi-touch touchpad is set to the right. Photo: *Laptopmag*.

The large touchpad is set to the right, making it easy to touch and slide over when the text is pressed. Like the Macbook, two separate left and right mouse buttons have been removed instead of the mouse button that immediately integrates with the touchpad to increase aesthetics. This multi-touch touchpad also supports zooming, zooming and rotating photos with multiple fingertips.

One problem still considered a major drawback of HP's entertainment laptops is the hot machine. When downloading data files via firefox browser, *Laptopmag* technicians have measured the temperature in the rest area of ??39.4 degrees Celsius, the touchpad is 37.8 degrees Celsius, and 35 degrees Celsius between the two keys GH. Meanwhile, the temperature of the bottom radiator side is up to 43.3 degrees Celsius.



Mirror screens cover the edges for beautiful, clear, wide viewing angles. Photo: *Laptopmag*.

Mirror screens cover 15.6-inch edges with full-HD resolution, 1,920 x 1,080 pixels, for beautiful, clear, bright colors and good wide-angle views. This screen also has a light sensor, which automatically adjusts screen brightness to suit room conditions. But this function will make many users uncomfortable because sometimes, a few minutes the brightness of the screen automatically increases and decreases because the room light is dominated by many factors, so it changes often.

Speaker system on HP entertainment laptops is always appreciated for quality. The loudspeaker system integrates on the HP Envy 15, the volume is loud enough, real, clear and full, whether you listen to fast rock music or enjoy the humming jazz songs. Good sound quality is thanks to HP Beats audio technology that combines hardware with dedicated software to improve audio output quality. In addition to a laptop, the "connoisseur" user can also choose the headset (headphone) Dr. Dre and a set of professional DJ tools.

Except for the popular VGA output port, the HP Envy 15 has the most common and necessary communication ports, including 1 HDMI, 2 USB ports, 1 integrated eSATA / USB port, SD / MMC memory card reader. , Micro / headphone jacks and LAN pins. In addition, HP offers an HDMI to VGA adapter for \$ 50.



The HP Envy 15 is full of popular communication ports. Photo: *Laptopmag*.

The HP Envy 15 is one of the first laptops to use the 1.6 GHz Intel Core i7-720QM CPU, besides the 8 GB DDR3 RAM, and 1 GB of ATI Mobility Radeon HD 4830 discrete graphics card. The actual execution speed is completely superior to that of many powerful models like Apple Macbook Pro, and is about the same as the Alienware M15x gaming laptop. PCMark Vantage scores, testing Envy 15's overall system hardware strength to 6173 points, nearly double the Macbook Pro's 3,525 score, and negligible lower level of 6543 of the Alienware M15x.



The HP Envy 15 is one of the first laptops to use Intel Core i7 CPU. Photo: *Laptopmag*.

The machine booted into Windows 7 on a HDD of 500 GB of 7,200 revolutions per minute took 1 minute 13 seconds, because there were quite a lot of pre-installed software. The speed of copying hard disk data between partitions is 25.4 MB / sec. Meanwhile, on Mac OS X, the speed of copying data on Macbook Pro hard drive is 32.8 MB / sec.

Time to convert (converting) a .mp4 video file of 5 minutes 5 seconds into .avi file with HandBrake software takes 3 minutes 10 seconds, which is 2 times faster than the processing time of a 15-inch universal laptop. But still slower than Macbook Pro when running Windows Vista, the same test took 1 minute and 8 seconds and Alienware M15x 2 minutes 40 seconds.



Envy 15 performs better than the Macbook Pro and can run many games well. Photo *Laptopmag*.

With an ATI Mobility Radeon HD 4830 1GB discrete graphics card, the 3DMark06's graphics power rating with the device was 7,236 points, more powerful than the MacBook Pro (5,921 points).

Not really a true gaming machine, but the Envy 15 can run many games well. As with *Far Cry 2* at 1,024 x 768 pixels, the game image is smooth at 95 frames per second, the Macbook Pro is 59 frames per second. In the original resolution, the speed is still acceptable at 27 frames per second, far behind the Alienware M15x's 42 frames per second. Or with *Call of Duty* game - *World at War* , Envy 15 produces 60 frames per second at 1,024 x 768 resolution, and 25 fps at 1,920 x 1,080.



Limited battery life is the main drawback of HP Envy 15. Photo: *Laptopmag*.

Limited battery life is a major drawback of HP Envy 15. When surfing the web via Wi-Fi, the device's 6-cell battery maintains an uptime of 2 hours 5 minutes. It's hard to compare with the 8-hour Macbook X running Mac OS X. The user can buy a 9-cell battery for \$ 125 to increase the running time to 5 hours, but the weight of the device will increase. add nearly 1 kg.

Besides, the charging time is longer than the " *discharge* " time, to fully charge Eny 15's 6 cell battery, it takes up to 3 hours and 17 minutes with a power of 10,697 Watt, equivalent to 54.3 Watt / minute.



The HP Envy 15 model sold in Vietnam costs VND 49.2 million. Photo: *Cnet*.

The HP Envy 15 has appeared in Vietnam and is being sold at a reference price of VND 49.2 million for the 1.73 GHz Intel Core i7 820QM CPU version, DDR3 8 GB RAM with external Blu-ray drive and run Windows 7 operating system.

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