

## Sony Vaio X for connoisseurs playing

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Like the Sony Vaio TT, Vaio X targets business users who are connoisseurs, integrated with 3G mobile connectivity and trendy GPS global positioning, with a selling price of about \$ 1,300.

Vaio X deserves the lightest laptop in the world with a weight of 0.7 kg has a 4-cell battery, lighter than the MID Viliv S7 Premium 7 inch (0.81 kg). Even when installing a flat plate battery, the weight of the Vaio X is only approximately 1 kg, still 200 grams lighter than a 10-inch netbook.



Vaio X deserves to be the lightest laptop in the world with a weight of 0.7 kg. *(Photo: Sony)* .

In terms of thinness, Vaio X is slimmer than the Macbook Air, with a body thickness of 15 mm, the remaining 2-way size is 280 x 185 mm. When attaching the extra battery below, the bottom of the machine is 7 mm thick because this flat panel is designed with a non-stick slot to help heat dissipation for the machine better.

Vaio X has a magnesium alloy frame and the case is made of durable carbon fiber. When combining these materials, the machine achieves high durability as well as design aesthetics.

Wearing the size of a laptop 11.1 inches, Sony Vaio X only owns chiclet keyboard 88% wide than normal keyboard to ensure the keys are wide. Therefore, the Sony Vaio X keyboard is slightly smaller than the 10 - 12 inch netbook like the Toshiba mini NB205. But according to the first users, Sony should improve with a larger and more robust keyboard.



Chiclet keyboard is as wide as 88% of normal keyboard. (*Photo: Sony*) .

The multi-touch touchpad is large enough and not very sensitive to a slightly rough surface, much friction, with two smaller but more sensitive mouse buttons.

Sony Vaio X has an 11.1-inch screen, resolution of 1366 x 768 pixels. With the same resolution, the Vaio X icons on the screen are easier to see than 10-inch netbooks. The screen of Vaio X has very good wide viewing angles, the image remains the same color and brightness. In contrast, the sound quality of the device is slightly weak because of a slim body that is difficult to integrate a quality speaker system. When listening to music the volume is very small.

With a slim, compact body, Vaio X only equips the most necessary communication ports, similar to netbooks. It has 2 USB ports and headphone jack on the left. On the right is the VGAM video output, LAN port, the front of the device has 2 SD memory card slots and Sony Memory Stick. As a high-end model, but Vaio X ignores HDMI port. Integrated webcam for quality images but not detailed.



Sony Vaio X has two colors black and gold. (*Photo: Sony*) .

Sony Vaio X belongs to ultraportable laptop segment but uses Intel Atom Z-series processor more powerful than Atom N-series in netbook. Equipped with Intel Atom CPU and SSD solid-state hard drive, which makes it slimmer and lighter because it doesn't need a fan.

The Vaio X owns 2 GHz Intel Atom Z550 CPU, the most powerful processor model produced by Intel for netbooks, besides 2 GB RAM, and 128 GB SSD hard drive. This version coded VPCX115KX / B priced at 1,500 USD. Laptopmag technicians do not run PCMark Vantage software to evaluate overall performance on the Vaio X. But with similar Geekbench software, the test results of the device reached 963 points, higher than any netbook, more 140 points above the netbook average and 40 points higher than Toshiba mini NB205-N210. With basic office jobs such as Wi-Fi web surfing and writing, users can be assured, Vaio X executes quickly and smoothly. But when watching online videos full screen, images sometimes get jerky.



It uses Windows 7 Home Premium. (Photo: Laptopmag) .

Using SSD solid-state hard drive, it takes only 50 seconds to boot Windows 7 Home Premium operating system, with the data transfer rate averaging 27.2 Mb per second, twice as fast as the average of 1.2 Mb One second of netbooks. Performing a test of converting 114 MB video files from .MP4 format to .AVI, it takes 26 minutes and 45 seconds, only 3 minutes faster than netbooks, and much slower than the average of 14 minutes 6 seconds of laptop. Meanwhile, Acer Aspire Timeline 1810T (\$ 600) uses Intel ULV CPU, only takes 11 minutes 24 seconds to complete the test.

Vaio X's video and graphics processing capabilities are limited with 3DMark03 test results only 364 points, 290 points lower than the average of laptops. However, it still runs smoothly with HD 720p resolution video in full screen mode, or when exporting via external VGA to HDTV with a maximum resolution of 1,366 x 768 pixels. Limited HD video playback is the main reason for Sony not integrating HDMI high definition output.

When viewing Google Earth maps, images displayed at 5 frames per second, and with 3D shapes like the Googleplex headquarters, Vaio X takes up to 30 seconds to load images. Meanwhile, with the test, the HP Mini 311 netbook with Nvidia Ion LE graphics chip appears 24 frames per second.



Vaio X is capable of poor heat dissipation because it does not use a fan. (Photo: LaptopMag) .

The main problem encountered when using Vaio X is the ability to dissipate heat because it does not use radiator fan. In the process of conducting continuous tests, Laptopmag measured the temperature between the G and H keys up to 95 degrees F (35 degrees C), while when using an external battery, the temperature was measured in the middle of the bottom. The device and battery are 40.5 degrees Celsius. Certainly, when used for a long time, even with a 4-cell battery, users will also feel the heat, especially with the extra battery life that Sony advertises for up to 14 hours. continuity. In fact, the standard 4-cell battery can maintain the running time for 3 hours, and the external battery is 9 hours 49 minutes (Wi-Fi turned on but turns off GPS and 3G). With the extra battery, Vaio X has a long running time that goes far beyond the 6-cell battery, an average of 6 hours and 10 minutes, and also surpasses the Toshiba mini NB205-N210 running battery 9 hours 41 minutes.

Each Sony Vaio X has two colors of black and gold. In Vietnam, Sony is officially distributing the Vaio VPCX115LG / B model with the configuration of Intel Atom Z540 CPU 1.86 GHz, 2 GB RAM, 64 GB SSD

hard drive, and running Windows 7 with price sold nearly VND 27 million.

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