

## Asus UL80VT optimized with 2 graphics cards

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14 inch Asus UL80VT is the latest laptop model of the series UL-series aluminum casing. (Photo: Quoc Huy) .

14-inch Asus UL80VT is the latest model of the UL-series of ultra-portable aluminum cases, using power-saving Intel Core 2 Duo SU7300 1.3 GHz processor with 3 MB L2 Cache memory and being able to squeeze 33% pulse to 1.73 GHz thanks to Turbo33 technology. The device is equipped with both integrated Intel GMA 4500MHD graphics chip and discrete Nvidia GeForce G210M 512 MB graphics card with different options, balancing the real ability and power consumption through dedicated Power4Gear Hybrid software and operating modes of the operating system. In Vietnam market, UL80VT has a reference price of 16.5 million VND for the version using 2 GB DDR3 RAM and 320 GB HDD.



UL80VT has an average thickness of 2.6 cm and a weight of 2.1 kg. (Photo: Quoc Huy) .

UL80VT designed simple, thin and light. The average thickness of the machine is 2.6 cm with a weight of 2.1 kg with 8 cell battery. Add the adapter weighing 2.5 kg. The case is completely black and the lid is made of polished aluminum alloy very solid. When using strong pressure on the surface, you will feel strong because the lid is not subsided, like the plastic material affecting the screen. In the middle of the difference slightly above is the shiny silver Asus logo. Inside, the screen cover frame and the buffer zone are covered with eye-catching black and glossy paint but easy to store fingerprints.



Chiclet keyboard seems to be the weakest point in machine design. (Photo: Quoc Huy) .

The rough surface chiclet keyboard with multiple function keys arranged in place of shortcuts and media keys seems to be the weakest point in this design. The body is quite thin, choosing chiclet keyboard with floating and indirect keys is reasonable. But the thin layer separates the keyboard and the hardware components below are not strong enough to hold the keys from vibrating and bouncing when the noise emits noise. However, the keys are very responsive and comfortable to use when used.



The touchpad consists of concave points that create a lot of friction. (Photo: Quoc Huy) .

In addition, the multi-touch touchpad is located on the same plane as the hand buffer, it is easy to drag the fingertips out of the sensor area, making the user take a certain amount of time to get acquainted. Besides, the touchpad surface consists of concave points that create a lot of friction making the control of the mouse pointer slow down. The dual mouse button below is quite hard, must be emphasized when used.



The connection ports are arranged on both sides of the machine. (Photo: Quoc Huy) .

The connection ports are arranged on both sides of the machine. On the left are power plugs, 2 VGA and HDMI video outputs, 2 USB ports and Micro / Headphone audio jacks. Add a USB port, LAN connector, memory card reader and DVD burner located to the left. Due to the slim body, so when connecting devices such as thick plug VGA cable or HDMI cable, it is easier to lift the device. With a DVD drive, the beveled design on the bottom of the machine requires careful operation when taking the disc out and inserting it into a narrow space.

UL80VT has integrated 0.3 Megapixel Webcam, fast image capture capability but low video quality and lack of brightness. If you regularly video chat or Skype call is part of your work, you should equip an external Webcam for better image quality.



LED back-lit mirror screen super bright but limited in wide viewing angle.

(Photo: Quoc Huy) .

LED back-lit mirror screen 14 inches, 16: 9 aspect ratio, resolution of 1366 x 768 pixels super bright for clear images, true colors but limited to wide viewing angles. In particular, when watching movies, shift the deflection angle to 45o from the center of the screen, the image is discolored and fading. But at the same angle if you open the desktop, you still see each icon clearly.



Altec Lansing stereo speakers are arranged on both sides of the front of the machine. (Photo: Quoc Huy) .

Altec Lansing stereo speakers are arranged on both sides of the front of the machine with loud enough to cover the room 30 m<sup>2</sup>. Detailed sound when listening to music and clear dialogue when watching movies. But if you just work, listen to music, the music will be affected by the speakers on the bottom of the machine right in front of the user to be partially blocked.



Asus UL80VT can run smoothly on Aero Peak graphics interface of Windows 7. (Photo: Quoc Huy)

Asus UL80VT 14 inch with configuration including Intel Core 2 Duo SU7300 1.3 GHz CPU, DDR3 2 GB RAM, use integrated Intel GMA 4500MHD graphics chip and discrete Nvidia GeForce G210M 512 MB graphics card, and HDD 320 hard drive GB gives higher test results than the average of the thin laptop segment. The ability to handle media files and play games is also much better.

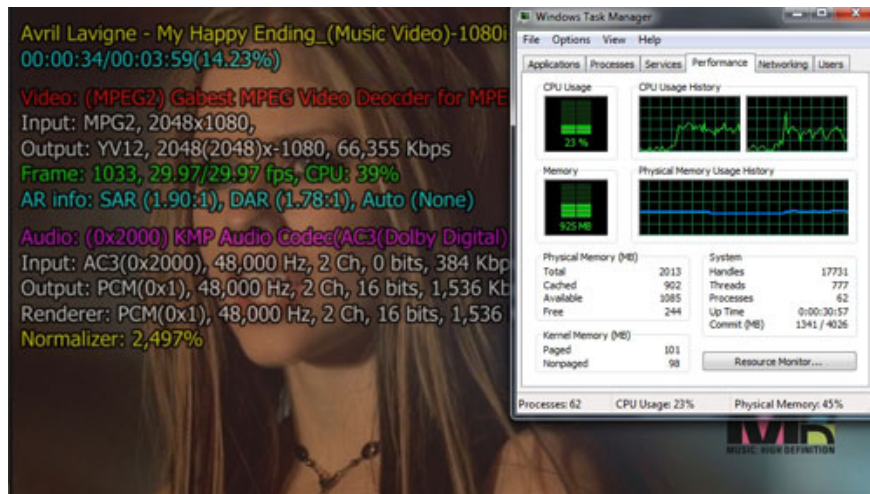
Scores assess the working ability of hardware on the new operating system Windows 7 32 bit version, Windows Experience Index is 4.8 points. The score shows that Asus UL80VT can run smoothly on Aero Peak graphics interface with all default settings, and can watch HD videos and play games on Windows 7.

Test results with PCMark Vantage, overall evaluation of UL80VT performance is 3,387 points, only slightly higher than the average of 3,101 points. But the 3DMark06 score "weighs" the machine's graphics processing power to be truly superior, reaching 3,454 points, 2 times higher than the average 1,467 laptop score. And "eat off" Dell Studio 14z entertainment machine (2,101 points) using Nvidia GeForce 9400M graphics card.



Play the smooth Street Fighter IV game at 30 fps at the original resolution.  
(Screenshots).

When fighting against Street Fighter IV at an original resolution of 1,366 x 768 pixels, UL80VT produced smooth images at 30 frames per second. Playing soccer game PES 2010, the machine produces beautiful images at the default resolution of 1,280 x 720 pixels with a speed of 55 frames / sec. With heavier games, Far Cry 2, UL80VT can still play well with middle speed. Average 45 frames per second at 1,024 x 768 pixels.



Removable graphics card enhances the ability to play full-HD videos.  
(Screenshots).

With the support of discrete Nvidia GeForce G210M 512 MB graphics card, the device not only helps to play games well, but also improves the ability to handle media files. If only using integrated graphics chip when playing full-HD video of 1,920 x 1,080 pixels "consume" 61% CPU. Support of discrete graphics card, only 23% CPU. In addition, the time to convert 12 .wav music files to high quality .mp3 format only takes 4 minutes 40 seconds. And the time required to transfer a .mp4 video file is 3 minutes and 30 seconds long to .avi format with the same resolution of 2 minutes 25 seconds.

Standard SATA, HDD 320 GB hard drives with 5400 rpm work stably with the average data copy speed between partitions on the hard drive about 23 MB / sec. Time to copy a 4.9 GB synthetic data folder between drive D and drive E partitions takes 3 minutes 35 seconds.



Graphics Boost helps improve graphics processing efficiency  
Still saving energy. (Photo: Quoc Huy) .

Asus UL80VT excels in test results assessing performance and graphics thanks to the unique technology that Taiwanese computer firms choose to equip strategic, breakthrough products in the laptop market. Intel CULV Core 2 Duo SU7300 processor 1.3 GHz 3 MB L2 Cache cache with Turbo 33 can overclock 33% to 1.73 GHz when needed. Besides the combination of integrated Intel GMA 4500MHD graphics chip and 512 MB Nvidia GeForce G210M discrete card, it is easy to use with Graphics Boost to improve graphics processing efficiency while saving energy. Or with Asus Fast Boot utility, UL80VT only takes 45 seconds to start Windows 7 operating system. If you do not install this utility, the boot time in Windows 7 also takes only 50 seconds.



Power4Gear Hybrid balances the real ability and power consume. (Photo: Quoc Huy) .

Many features smart technology, optimal performance between performance with 8 cell battery to increase the running time continuously up to 6 hours 38 minutes in "Balanced" mode on Windows 7 and turn on both graphics cards. In the period of using 6 hours 38 minutes alternating the work of continuous web surfing via Wi-Fi using Firefox software, opening office applications Microsoft Office Word, Outlook, Photoshop, listening to music, watching HD movies and playing game This result can affirm the universal user, an office worker can completely rest assured about the running time for work 8 hours per day with each full charge.



The Asus UL80VT is optimized for both mobility, execution and time battery run. (Photo: Quoc Huy).

In Vietnam, UL80VT has a reference price of 16.5 million VND for the version using 2 GB DDR3 RAM and 320 GB HDD. Asus UL80VT is optimized for both portability, performance and battery life.

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