

# The improvements are expected on the new Macbook Pro

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## 1. Microprocessor second generation SandBridge

Intel resumed production of Sandy Bridge processors after encountering some chipset problems. This is really a good news for technology enthusiasts who want to enjoy the performance of this processor. Core i3, i5 and i7 processors with improved energy efficiency for good performance more when working and entertaining. For example, a Core i5 Sandy Bridge dual-core processor, running at 2.3GHz but can jump to a higher speed (called Turbo Boost) with a speed of 3GHz.

## 2. Speed ??up with SSD hard drives

The new MacBook Pro will be equipped with two hard drives, a dedicated drive to store data, and an 8GB / 16GB SSD (capacity can be upgraded) to accommodate the operating system. This will significantly improve the boot speed as well as the machine's working speed. Besides, the trackpad of this product is also larger for users to manipulate all 10 fingers.

### 3. HD Webcam

HP, Lenovo, Sony, and Dell have informed users of their new laptop webcams that can video chat and record video at 720p resolution. As for Apple, both the iPhone 4 and the latest iPod Touch version have sensors that can record video at 720p HD. If Apple can put these sensors on a handheld device, they can do the same on the MacBook Pro's webcam. In addition, HD content can be displayed sharper on a larger screen of the MacBook Pro than handheld devices, or can be connected to an HDTV via DisplayPort.

### 4. Light Peak technology and USB 3.0

Light Peak is a data transmission technology that uses fiber as an optical cable for a starting speed of 10Gbits / sec for both-way data. With this technology Intel hopes to be able to replace all existing connections on the PC, including USB, DisplayPort or HDMI. In particular, Intel announced it will launch Light Peak technology this week and promises to be used on the new Macbook Pro sometime in mid-March. If you still haven't touched Light Peak technology, at least you can comfort some part with USB 3.0 connectivity.

### 5. New Nvidia graphics card

Switching to Sandy Bridge processors means the new MacBook Pro will use integrated graphics on the processor, a more powerful solution than before. A new, more capable Nvidia chip is the GeForce 500 series, which will participate in auto-conversion graphics technology to improve performance when processing graphics.

### 6. Say goodbye to the optical drive

Removing optical drives will make the system lighter and thinner while today's data is easily copied over a high-speed USB connection.

### 7. Battery use longer

Apple has increased the size of the battery twice on the 15-inch MacBook Pro, the first time from 60WH to 73WH, and then from 73WH to 77.5WH. The new Sandy Bridge architecture is not energy efficient compared to previous platforms, so the only way to increase battery life is by increasing the size of the battery. An empty space from the optical drive will definitely allow Apple to do so. With such a design, the Macbook's battery can achieve at least 8 hours.

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