

When to upgrade RAM? Guide to upgrade laptop RAM

RAM

You can upgrade your computer's storage memory by following the instructions to upgrade laptop RAM. But this needs to be thoroughly tested first.

One of the most important components in laptops and computers in general is RAM. After a period of use, we may encounter RAM shortage because of high demand. Now, instead of buying a new computer, you can follow the instructions to upgrade laptop RAM.

Why and when to upgrade RAM?

Besides the processor chip, RAM is the leading factor determining the performance and performance of a computer. Upgrading RAM is not an easy procedure, so it is important that you upgrade it. The first case is if the machine is too old, slow running affects the daily use experience. The second case is if you have a higher demand for a new laptop (heavy gaming, multitasking, .). Upgrading RAM can be regarded as an extremely effective way to 'revive' a laptop. The computer will run faster than before.



The computer RAM is not large but it stores a huge amount of data

How to check the current RAM of a laptop

First we have to determine if the machine is lacking RAM or not to decide to upgrade. There are many ways to check RAM (using Windows tools, using 3rd party software).

Normally, if you just need to surf the net, type documents, store documents, connect, watch movies, . basically, you only need 4GB RAM. And 8GB RAM or higher will be for anyone who needs to play online games, use Photoshop, edit movies, .

However, not all laptops upgrade RAM. For older models with only one RAM slot, users have to replace the new RAM and removing it is not easy. When upgrading RAM, we have 2 options. One is to replace both RAM modules with the device already has 2 RAM modules. The second is to install a new RAM with a machine with 1 default RAM and a spare slot. Note that when adding more RAM, the new RAM must be the same speed as the old RAM.

Next, we must also consider the specifications of the machine. For example, laptops running on 32-bit Windows operating systems only accept about 3GB of RAM. Even if you install RAM larger than 4GB, the device will not be used, sometimes it cannot be used. If you are using Netbook, Ultrabook models, it cannot change RAM. With these models, the RAM was soldered on the product board.



Checking the state of RAM before upgrading is important and requires thorough research

Guide to upgrade laptop RAM

1. **Step 1:** Prepare the necessary tools: 4-screwdriver, new RAM bar
2. **Step 2:** Remove the cover, remove the battery to avoid electric shock
3. **Step 3:** Find the location of the laptop's RAM (usually in a small plastic box with a ventilation slot)
4. **Step 4:** Remove the old RAM and put the new RAM in the correct position
5. **Step 5:** Restart the computer
6. **Step 6:** Check the RAM parameters in the Task Manager of the computer



Installing new RAM does not take many steps but be meticulous and careful. Buying new laptop RAM and installing it is a much more economical option than buying a new laptop. However, this upgrade is not simple. To follow the instructions to upgrade laptop RAM mentioned above need to be skilled and knowledgeable about machines. So if you are not confident, it is best to take the machine to a repair shop for technical staff to perform.

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