

# Upgrading your laptop at the end of the year, which option is for you?

Your laptop has been with you through a year of hard work. The end of the year is the time to reward it with a light upgrade. With a cost of around 2 million VND or less, which option is optimal for you?

Your entertainment friend, your work tool - your laptop has been through a hard year with you. If you feel that it is running slow and you want to upgrade your laptop to run faster, this is a good time to do so. At the end of the year, there are many promotions and above all, it is to prepare well for a new working year ahead.

## SSD Upgrade

If you ask a friend who knows a little about hardware the question: "Hey! I want to upgrade my laptop to make it run a little faster!", you will surely receive advice on upgrading the hard drive to SSD. This is also the choice of the majority of customers coming to Hanoicomputer. Simply, if you are using an old laptop with a lifespan of about 3-4 years, most of the technology at that time was only equipped by manufacturers with HDD hard drives included with the machine. And you already know that HDD has a mechanical operating mechanism, which means it has to start spinning enough cycles to retrieve data. Not to mention that it will show signs of "aging" over time, becoming noticeably slower. Therefore, upgrading to SSD is a wise choice at this time.



## Upgrade RAM

In addition to SSD, when wanting to upgrade a laptop - RAM is considered in the second place. Your work often requires opening many tasks, especially when opening many browser tabs, you will clearly feel the slowness

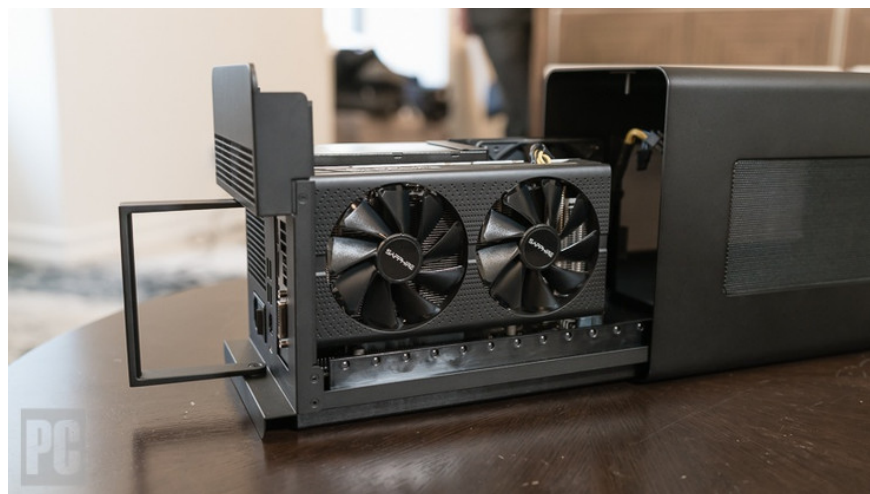
when lacking RAM. The more RAM your computer has, the less capacity it can save to virtual memory (paging) or storage. Therefore, upgrading RAM can increase performance quite a bit. At present, RAM prices have also stabilized quite a bit, quite cheap compared to the beginning of the year.



## Update video card for laptop

This is also the question of many users who want to upgrade their laptop. There are many people who buy a laptop but do not really balance their needs accurately. You want to both work and play games but only buy an office laptop. And of course, after a while you feel regretful about it. So is it possible to upgrade the graphics card for a laptop? The current answer is no, or it is possible but it is very difficult and comes with many risks. In most current laptop models, the CPU and GPU are soldered on the laptop's motherboard. For that reason, we cannot remove the GPU and install a new one like on a PC.

However, if you still insist on upgrading your GPU, there is a way. The E-GPU discrete graphics card is a way for you to upgrade your laptop's graphics card. However, the price of an e-GPU is quite high, sometimes much more expensive than a PC graphics card.



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