

Computer cooling solutions on summer day

PC cooling is always considered a top priority for computer users. Here's a simple cooling solution for PC that you can apply on these hot summer days.

Computers are becoming an indispensable support device for work, but like humans, computers cannot withstand high temperatures. Then, the components will quickly fail and cannot operate normally.

When the outdoor temperature is too hot or the computer has to work continuously, it is easy to get hot and you need to apply some cooling methods to your computer if you don't want it to suddenly "get sick".

Computers are a block that includes many component devices such as CPU, graphics card, main board, and they will generate heat when operating. A well-configured PC usually has high heat dissipation due to the use of many cooling fans and heat recovery solutions. If your computer has insufficient heat dissipation, the system temperature will rise, directly threatening the machine's life. Therefore, PC cooling is always considered a top priority for computer users. If you check the computer temperature and see it exceed the allowable limits, here is a simple cooling solution for the PC that you can apply, making the computer cooler. Some of the ways in this article can be used to cool laptops well.

Ways to cool your computer

1. Clear the air flow
2. Do not open case
3. Clean the computer
4. Change the location of the computer, do not place the case under the floor
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7. Upgrade chip fan
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11. Add extra fan
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Clear the air flow

The PC will "breathe" more easily if you clear out the heat barrier. Make sure that next to and especially behind the PC case there is no barrier. The computer case should be placed at least 5cm away from the barrier. If your

computer is under the table, make sure you don't put a lot of things around because the airflow will become hotter if you can't get out.

Do not open case

Most computer users often think that opening a PC case will help dissipate heat better, especially on hot days, but experts recommend that you do not do this. Why? While opening the case, the air disperses faster, but there is a lot of dust and small objects flying in, causing the cooling fans to get stuck, and over time they will perform poorly, effectively lower heat dissipation. That is not to mention that expensive computer components are also very allergic to dust. Indeed, this approach proved to be ineffective, maybe at the first time you will benefit but will then suffer more severe consequences.



Clean the computer

As mentioned above, over time, the PC's main cooling fan will slow down, mainly due to dirt. One of the most effective ways to cool your PC is to clean the computer: Clean the internal fans, including chip fans, power fans and other extra cooling fans. You just need to turn off the computer, open the case, then use an air compressor to clean the radiator fans. If your PC is too dirty, it may be necessary to disassemble the part for 'total cleaning'.

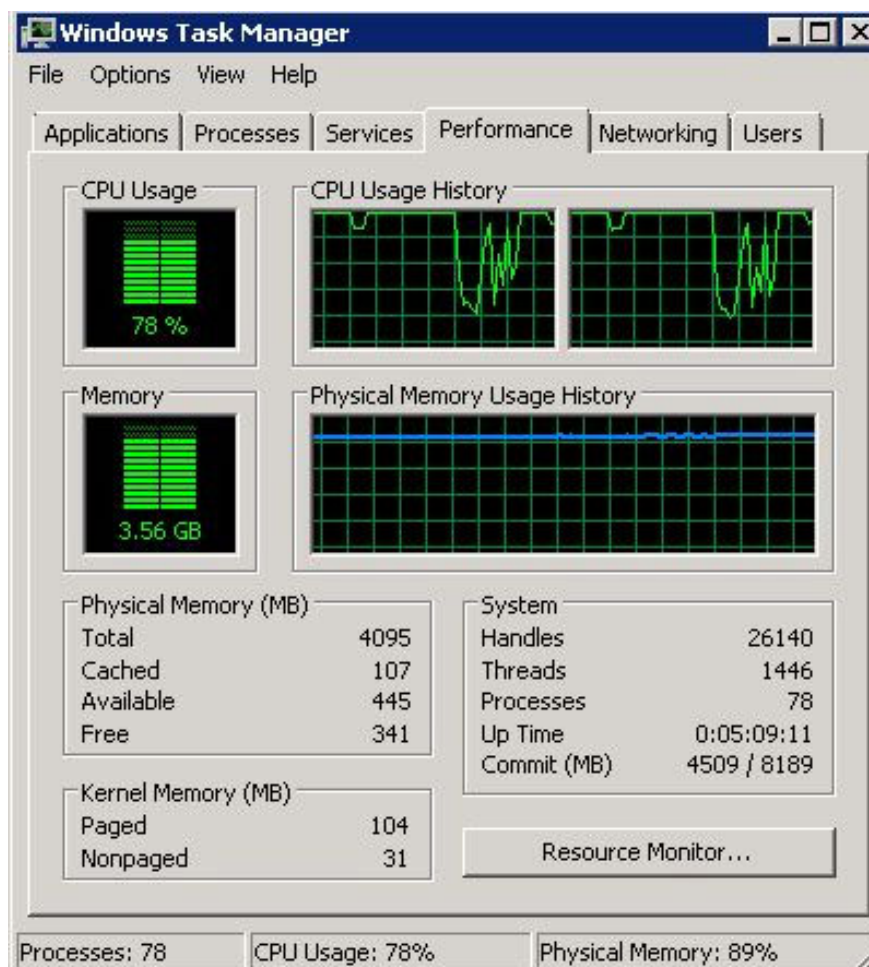
Change the location of the computer, do not place the case under the floor

If the current PC location is too hot or too dusty, you may have to consider moving the PC to a better location. However, while moving you should be careful with computer devices. It is necessary to gently remove and remove the damage, especially with sensitive components such as hard drive, motherboard, CPU .

Although a barrel computer is designed to be easily placed in many different locations, you should not place the chassis directly in the floor, as this will make it easier for your computer to cling to dirt. . Please buy or make yourself a plate form to place the high box about 0.5m above the ground.

On a side note, watch for obscured inventory to lose the vent to adjust accordingly. You also should not let the case close to the wall reduce the heat dissipation of the machine.

Turn off unused applications



The less CPU your machine has, the cooler your device will run. Therefore, you should take care to turn off unused programs to reduce the load on the system. Keep an eye out and turn off background applications that consume a lot of system resources like antivirus software.

1. How to turn off applications that run in the background on Windows 10

Turn off the computer when not in use

It is best to turn off the computer when you are not using them or at least put them into hibernation. Try to quit the habit of turning on the device when you do nothing. Also, if possible, turn off devices that are connected to computers such as printers, scanners .

1. Manage Hibernate mode in Windows 7
2. Instructions for enabling / disabling Hibernate mode on Windows 10

Upgrade chip fan

Computer chips (also known as CPUs) are the most important and expensive components of a computer. The possibility of overheating the chip is entirely possible if you don't pay attention to it. Often cooling fans for chips are synchronous devices, but over time they will function poorly. According to experience, you should equip yourself with a larger capacity CPU fan, and it will certainly be the right investment.



Add a cooling fan for the case

Case cooling fans are usually small fans mounted in front or behind the case, or inside the case. These fans will help heat dissipation better. You should use 2 case cooling fans, one to cool the PC, the other to blow the heat away from the PC. Installing these fans is also very simple, so you won't need to worry.

No overclocking

Overclocking the computer will help the machine run faster but accordingly the heat generated is also larger. If your computer hardware allows you to overclock while you do not have the corresponding cooling solutions, the advice is that you should not use this option. You should use the manufacturer's default hardware configuration to avoid unfortunate risks.

Replace the power supply for the computer

Power supplies are often equipped with larger cooling fans, and more heat output. If you don't use a case fan, the power fan will be the only cooler for your computer, and this also creates certain risks. If the fan does poor work, or malfunctions, the heat in the computer radiates out very quickly. Unfortunately, you cannot replace this fan if it is malfunctioning and must replace the entire power supply.

Add extra fan

But said, the cooling fan in the computer is not only the source fan, CPU fan, case fan, but also many other parts such as hard drive, graphics card, RAM . can also use the attached cooling fan. . In other words, if you feel your hard drive or RAM is too hot, you can use its own heat sink solution. If the graphics card is too hot to play the game, you can upgrade the cooling fan to a larger size.

1. How to make super simple mini fan radiator fan

Install liquid coolers

This is a fairly expensive solution, but the installation is quite simple. Often this cooling solution is often used for high-heat gaming systems, or high-end overclocking systems. Because these computer systems cannot be cooler even when using the fastest and most efficient heat sinks. In case it is more practical to install a cooler with water or other liquid. Water transfers heat well and can significantly reduce the CPU temperature.



Water in the computer, it sounds unsafe, but don't worry. Water or other liquid, fully sealed in the cooling system. A circulating pump will push the liquid down to the CPU to absorb heat and then pump the hot liquid out of the computer.

The installation of this liquid cooler is easy, when you buy it you will be given specific instructions.

Install a phase changer

This is the most effective cooling technology. Phase converters are like "refrigerators" for CPUs. It uses many similar technologies to cool or even freeze the CPU. Because of the use of modern technology and very high cooling efficiency, the cost of the phase changer is not cheap either. The set for personal computers, like photos, falls in the range of \$ 1,000 to \$ 2,000, and the enterprise-grade set for computers can range from \$ 10,000 or more.



The above are solutions to cool computers from simple to complex, from self-implementation to purchasing, depending on the conditions and requirements of use, you can choose for yourself a way to cool the most suitable PC. .

See more:

1. 8 easy ways to free RAM make the machine run faster
2. 5 tips for using the BIOS to help you master your computer
3. How do I know if someone has accessed and used your computer?

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