

How to check computer CPU temperature with software on Windows 10

Summary of the simplest and most accurate ways to check computer and laptop CPU temperature.

The CPU plays many roles to help the components in the computer operate smoothly. However, when the CPU overheats, it will affect the process of using the computer, sometimes even affecting the hardware. Therefore, checking the CPU temperature is very necessary so that you know how much it can endure and can stop the necessary tasks to let the computer rest and recover and then continue using it.

How to check CPU temperature directly

Checking the CPU temperature directly means relying on the feeling of the computer's working time and heat by touch or checking directly with the computer's BIOS.

1. Check by feel

2. Check through the machine BIOS

Test by feel

In this method, you should use the palm of your hand to feel the heat of the computer. If you have been working for a long time and see signs of the computer getting hot, you should turn off the power to let the computer rest for a certain period of time and then continue working. The operating temperature of the computer is usually higher than the outside, so the feeling is only relative. However, this is the simplest and fastest way to check the temperature of your beloved PC.

Check through the BIOS of the machine

BIOS is the computer's input/output system (short for Basic Input/Output System). When accessing the BIOS system, you can check many basic features of the computer. Among them is checking the CPU temperature. So how to access the computer's BIOS, let's find out more.

For a normal computer, BIOS usually has 2 basic forms: LEGACY and UEFI.

If the machine is in LEGACY form

Computers with BIOS in LEGACY format are usually older computers also known as traditional BIOS. You can check the CPU temperature in the following way.

Step 1: Restart your device.

Step 2: Immediately after restarting the computer, press the F2, F10, F12, DEL, . keys to open BIOS. Most computers have these keys installed to access the BIOS system. You can press the key according to the pre-installed MainBoard to enter BIOS.

Step 3: To view CPU temperature parameters, click on Power. The temperature display tab will appear and notify you of the temperature of the computer's processor chip. Then, depending on the machine model, you can know whether it is within the allowable temperature range or not.

If the machine is in UEFI mode

Computers with BIOS in UEFI form are usually newer computers. UEFI is a unified firmware extension used to connect the computer's operating system and its software. UEFI was born to overcome the disadvantages of LEGACY to help computers run faster.

To check the CPU temperature, you just need to open the UEFI software pre-installed on the computer and can easily see the CPU temperature in the Temperature tab. In addition, you can also see other parameters such as Fan Speed, Voltage, .

How to check CPU temperature through software

Compared to checking the CPU temperature directly, checking the CPU temperature with software is much simpler and more accurate. You do not need to worry about your temperature perception or access the BIOS system by restarting the computer, wasting time. All you have to do is download the software that we introduce below to your computer, then install and use it.

1. Core Temp Software

2. Speccy software

3. Real Temp Software

4. SpeedFan Software

5. CPUID HWMonitor software

1. Core Temp Software

Software download link: alcpu.com/CoreTemp

This is a CPU temperature monitoring software that can both monitor CPU temperature and monitor temperature fluctuations and warn users when the computer is too hot to promptly handle and avoid damage to the computer's central processor.

When using this software, you can not only see the general temperature of the CPU but also check the temperature of each Core of the CPU you are using. This software is compatible with most types of computer CPUs such as AMD and INTEL for example.

2. Speccy software

Software download link: ccleaner.com/speccy

This software not only helps check CPU temperature but also helps users check many other system parameters such as: RAM, motherboard, graphics card, hard drive, CD drive, speakers.

In addition to checking the temperature of each piece of hardware in the CPU, you can also use this software to check the temperature of many other components in the computer such as RAM, graphics card, hard drive, optical drive.

3. Real Temp Software

Download link: techpowerup.com/realtemp

This is a pretty smart CPU temperature monitoring software because it not only helps you monitor the CPU temperature but also displays the TjMax distance parameter. TjMax represents the maximum temperature that the CPU can safely handle computer tasks without harming the entire system. In addition, if the computer temperature is too high, Real Temp also has the feature of automatically closing applications to reduce the load on your computer.

4. SpeedFan Software

Download link: speedfan.softonic.vn

SpeedFan is a simple and flexible software to check the temperature of the CPU of Windows 10 computers. When using it, you can monitor the voltage, temperature and fan speed of the CPU by communicating with the computer's central processing chip. In addition, you can also check the basic parameters of other components such as RAM (voltage, frequency, capacity) and the durability of the HDD or SSD that the computer is using.

5. CPUID HWMonitor software

Software download link: cpuid.com/software/hwmonitor.html

CPUID HWMonitor is not only a software to measure the temperature of the CPU win 10 but it also has the ability to monitor the temperature of other hardware in the computer such as hard drives via SMART and GPU temperature of the video card. Compact size suitable for most computer configurations and does not reduce the performance of the entire system as well as providing you with a lot of useful information. In addition to the installation version, it also has a Portable version to help users check the hardware temperature on many different computers.

Above are some ways to check the CPU temperature win 10 that TipsMake wants to introduce to you. When the computer is still working well, we rarely pay attention to checking the CPU temperature to make necessary adjustments to increase CPU life and help the CPU run smoother. However, according to the advice of leading computer experts, users should constantly check the temperature of their computer to consider changing usage habits or find appropriate measures to cool down the CPU so that it works more effectively. Thank you for watching.

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