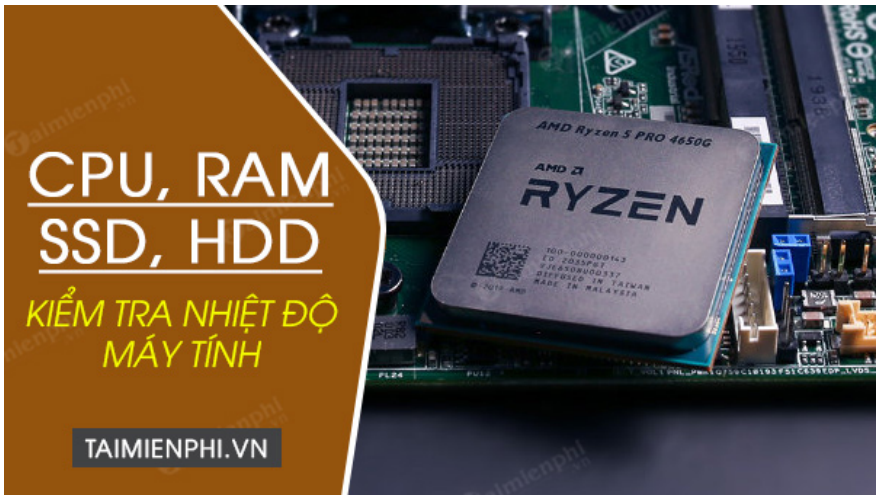
How to check the temperature of your computer/laptop's CPU, hard drive, RAM, and VGA.

Understanding how to monitor the temperature of your computer or laptop, including information about the CPU, hard drive, RAM, and VGA, will help you determine if any repairs or changes are needed to avoid sudden and more serious computer breakdowns, which can lead to costly repairs or even the need to buy a new computer.

The most common computer temperature-related issues involve **the CPU** . When the temperature gets too high, the computer will automatically shut down or reset to protect the chip from burning out or being damaged. However, if not addressed immediately, the computer will repeat the same problem after restarting. Therefore, to ensure stable computer operation, you need to regularly check and monitor the temperature of your computer or laptop.



Check the temperature of your computer or laptop.

There are many different software programs available to check your computer's condition, allowing you to view and monitor its temperature and activity. In this article, Taimienphi will guide you on how to check your computer or laptop's temperature using **HWMonitor** software .

Article contents:

3. How to check VGA (graphics card) temperature .
4. How to check RAM temperature .

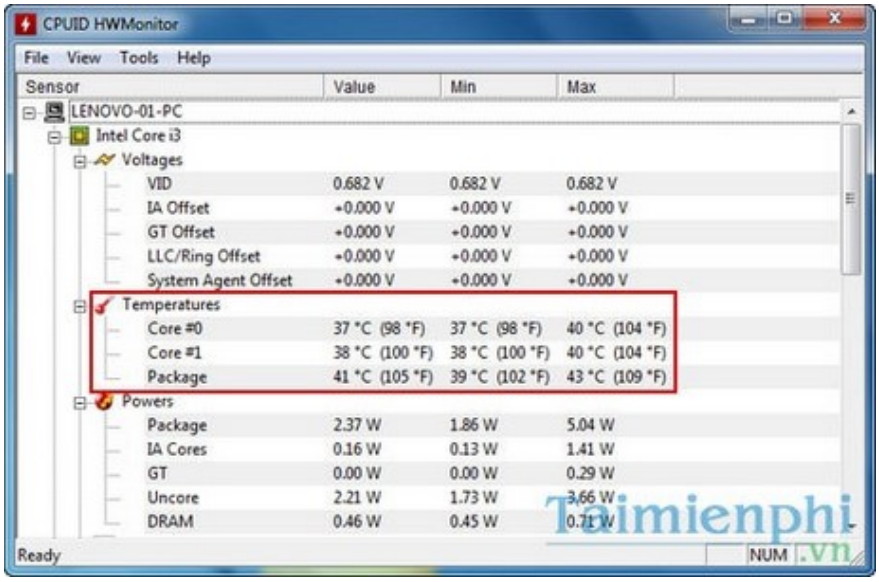
How to check the temperature of your computer/laptop's CPU, hard drive, RAM, and VGA.

First, you need to download and install the HWMonitor software from here: Download HWMonitor

HWMonitor is a useful application that helps users read and provide metrics related to computer hardware. The program is capable of processing many common sensor chip types, reading hard drive temperatures via SMART technology, and GPU video card temperatures.

1. How to check CPU temperature

After installation, open the software and you will see your computer's parameters displayed as shown below. To check the CPU temperature , find the **Temperatures** section .

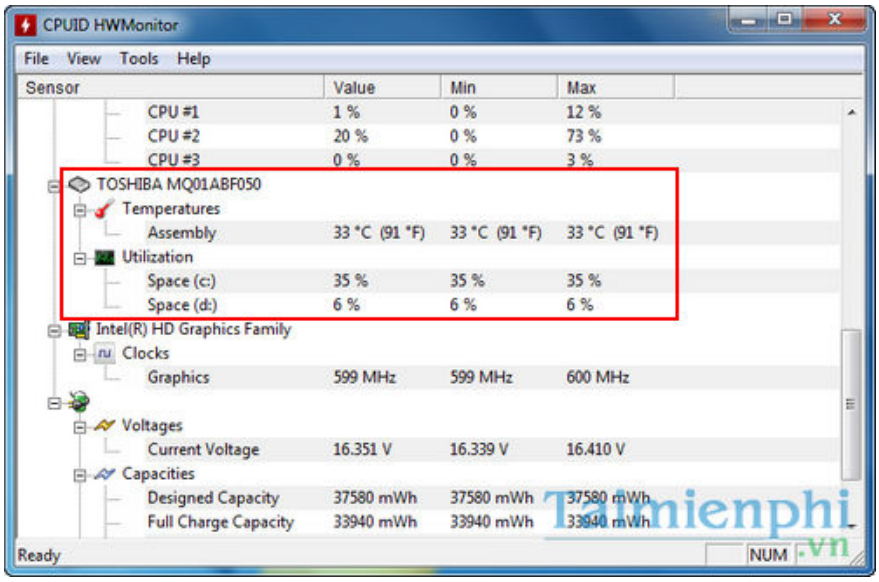


Check laptop temperature

For CPUs, the ideal temperature is around 50°C, and an acceptable temperature is below 70°C. If your computer's temperature exceeds 70°C, you need to clean the computer and apply thermal paste. This will not only help the computer run faster and more stably but also extend the device's lifespan.

2. How to check hard drive temperature

To check the hard drive temperature, scroll down and find the section shown in the image below. Depending on the device, each machine is equipped with a different hard drive; in this case, mine is a Toshiba hard drive.

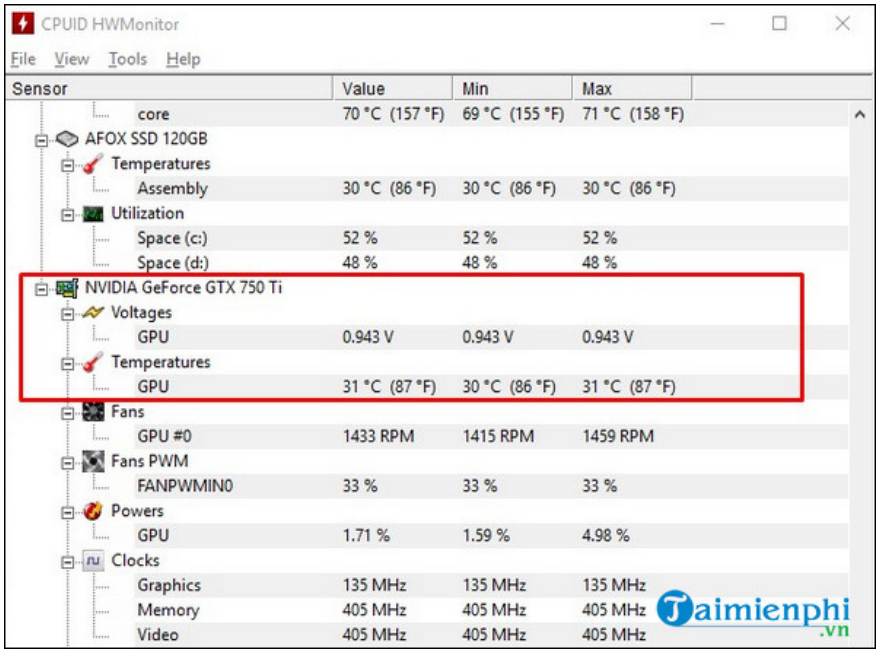


Check the hard drive temperature.

An acceptable hard drive temperature is below 50 degrees Celsius; if it's above 60 degrees, you need to have the hard drive checked .

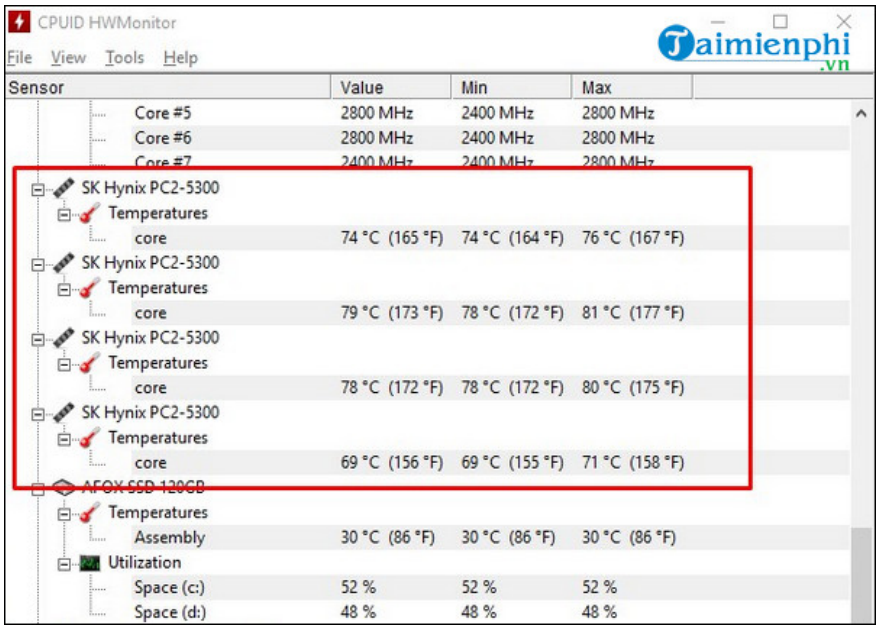
3. How to check your VGA (graphics card)

VGA, also known as a graphics card, is the most essential component of a computer for gamers or graphic designers. In this illustration, TipsMake is using a GTX 750 Ti VGA card with a temperature of 31°C. Typically, the VGA temperature will reach 70°C when users are running many graphics-intensive software programs. However, the lower the temperature, the better, as it allows for higher performance.



4. How to check RAM

Here, I'm using 4 RAM sticks with an average temperature of 70-80 degrees Celsius.



With the instructions provided by Taimienphi above, you can now read the current temperature readings of your CPU, hard drive, and VGA. However, these readings may vary depending on your computer and usage patterns. If the temperature is too high, you should consider closing unnecessary software or cleaning your computer.

In addition, to check the temperature of your computer or laptop, you can use several other software programs. With the top software programs for checking computer and laptop temperature, including CPU and VGA

temperature, you can choose the most suitable one for your needs.

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