

How to measure temperature on a computer, check the weather, and see the outdoor temperature.

Measure the temperature on your computer and outdoors to know the current weather and outdoor temperature. This will allow you to take precautions when going outside and equip your computer or laptop with the best cooling tools to avoid overheating, which could lead to fire, explosion, or damage. Some helpful tools include CPUID HWMonitor or Yahoo Weather on mobile.

During daily computer use, you might suddenly encounter problems such as: **automatic restarts** , **sudden shutdowns** , slow performance after a short time. Besides software and system errors, hardware issues **can** also be the main cause of these problems. One of the most common causes is a malfunctioning cooling system, leading to overheating and reduced performance.



The most common issue is probably with the CPU. When the temperature rises too high, the computer will **automatically reset** or shut down to protect the chip from burning out or being damaged. However, after a while, the computer will usually repeat the same behavior. In that case, you need to check and monitor the temperature of the computer and laptop components. Not to mention, weather is also a significant factor affecting computer temperature. This article from Taimienphi will guide you on how to check your computer's temperature and also check the weather and outdoor temperature in a simple way to find the best solution for your device.

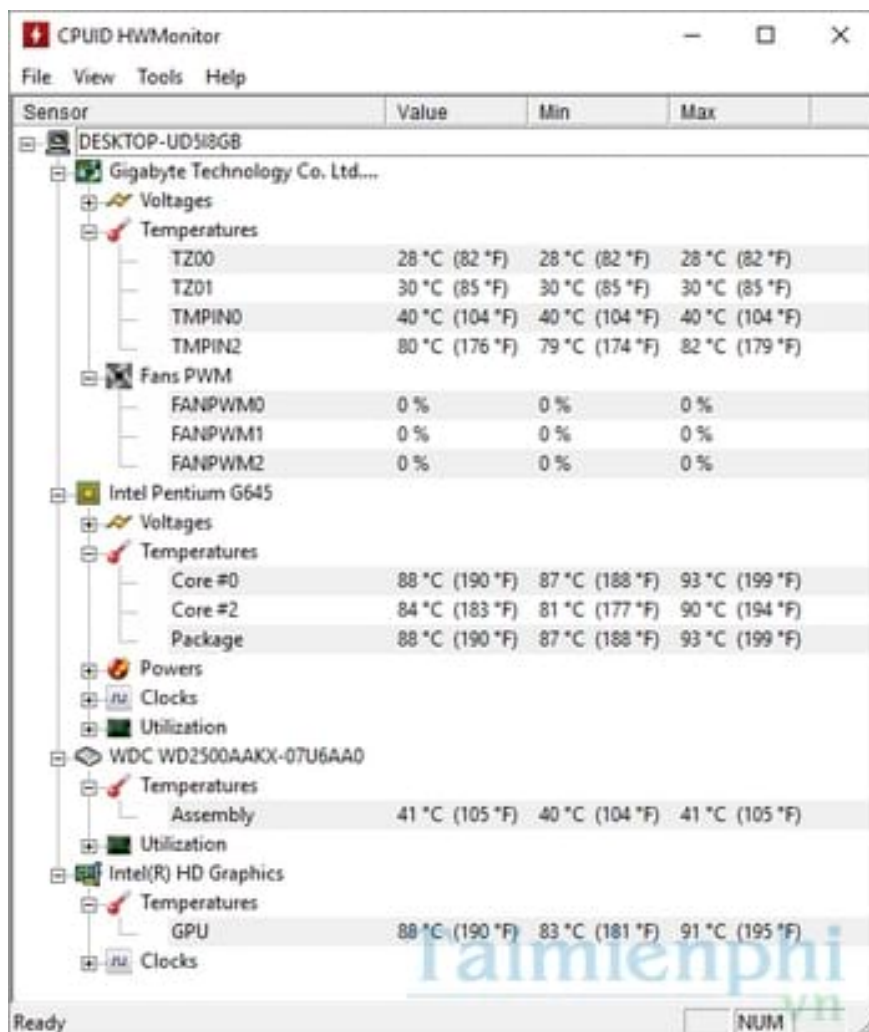
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1. How to measure temperature using a computer.

Currently, there are many different software programs that help you monitor the activity and temperature of your computer. However, in this article, Taimienphi will only introduce one completely free software program, CPUID HWMonitor, which allows you to easily view and monitor the temperature and voltage of your CPU, VGA, and hard drive.

First, you need to download the latest version of **HWMonitor** here.

After downloading, proceed with the installation and launch the software. The software is quite lightweight, so installation won't take much time. The device's parameters will be displayed; for CPU information, you can check the Temperatures section.



The screenshot shows the CPUID HWMonitor application window. The interface includes a menu bar (File, View, Tools, Help) and a table of sensor data. The table has columns for Sensor, Value, Min, and Max. The data is organized into expandable sections for different hardware components.

Sensor	Value	Min	Max
DESKTOP-UD5I8GB			
Gigabyte Technology Co. Ltd...			
- Voltages			
- Temperatures			
TZ00	28 °C (82 °F)	28 °C (82 °F)	28 °C (82 °F)
TZ01	30 °C (85 °F)	30 °C (85 °F)	30 °C (85 °F)
TMPIN0	40 °C (104 °F)	40 °C (104 °F)	40 °C (104 °F)
TMPIN2	80 °C (176 °F)	79 °C (174 °F)	82 °C (179 °F)
- Fans PWM			
FANPWM0	0 %	0 %	0 %
FANPWM1	0 %	0 %	0 %
FANPWM2	0 %	0 %	0 %
Intel Pentium G645			
- Voltages			
- Temperatures			
Core #0	88 °C (190 °F)	87 °C (188 °F)	93 °C (199 °F)
Core #2	84 °C (183 °F)	81 °C (177 °F)	90 °C (194 °F)
Package	88 °C (190 °F)	87 °C (188 °F)	93 °C (199 °F)
- Powers			
- Clocks			
- Utilization			
WDC WD2500AAKX-07U6AA0			
- Temperatures			
Assembly	41 °C (105 °F)	40 °C (104 °F)	41 °C (105 °F)
- Utilization			
Intel(R) HD Graphics			
- Temperatures			
GPU	88 °C (190 °F)	83 °C (181 °F)	91 °C (195 °F)
- Clocks			

However, many questions will arise, such as **what is a healthy CPU temperature** ? There is no specific number, and it depends on the chipset your device is using and the tasks you are running on Windows. However, Taimienphi still provides the following figures for your reference:

CPU: The optimal CPU temperature is around 50°C. An acceptable temperature is below 70°C. If your computer's temperature exceeds 70°C, you should consider cleaning your computer and applying thermal paste. This will not only improve performance and stability but also extend the lifespan of your device. Additionally, you can use other software like SpeedFan to get the most accurate information about your CPU temperature.

HDD and SSD drives: Acceptable temperatures are below 50°C; temperatures above 60°C require reconsideration.

VGA: An acceptable VGA temperature is usually below 90°C, ideally between 70°C and 80°C.

As mentioned above, this parameter can vary depending on each computer and usage needs. If it's too high, you should consider closing unnecessary software if you're not using it or cleaning up your computer.

What is a healthy laptop temperature ? This is a question many users are asking today. To answer this question , you can visit Taimienphi's Fanpage where our technicians will provide the answer.

2. How to check the weather and outdoor temperature.

In the current sweltering summer weather, staying informed about the weather and outdoor temperatures is very helpful for making commuting and leisure activities more convenient. Instead of watching weather forecasts on TV, you can check them directly on your smartphone using built-in applications.



However, the default weather forecast apps on smartphones are insufficient. This article introduces a very useful app that supports both iOS and Android: Yahoo! Weather. Yahoo!'s weather app is perfect for those looking for an easy-to-use and visually appealing application. The app retrieves data directly from Project Weather on Flickr and then combines current weather information with a suitable interface. Besides user-generated photos, the app also uses simple icons and designs, such as the "Sun & Moon" feature showing sunrise and sunset times.



Download **Yahoo Weather for Android** here.
Download **Yahoo Weather for iPhone** here.

Above is a complete guide on how to measure temperature on your computer, check the weather, and see the outdoor heat level that Taimienphi wants to share with readers. Additionally, for optimal computer temperature monitoring, you can use more computer temperature checking software, as listed in our previous article compiling the best computer temperature checking software .

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