

Top comprehensive computer testing software 2020

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When you find that your computer is no longer working properly or has just been equipped with new hardware, it's time to test your computer's performance. Currently there are often a lot of computer evaluation software on the market, but not all are good. Therefore, in this article, Thuthuatphanmem.vn will help you synthesize the top five most comprehensive computer testing software that you should use.

3DMARK software

Plus mark:

1. Intuitive interface, easy to use
2. There is a free version
3. Includes test tools for both PC and mobile
4. Maximum support for the GPU

Minus point:

1. Sometimes inaccurate

3DMARK includes everything you need to test your computer, even a mobile version. This is the favorite software for gamers and overclockers, because 3DMARK automatically scans the hardware and tells users the ideal benchmark to run on the system.



3DMARK provides detailed graphs of the GPU / CPU temperature, showing how clock rates and frame rates vary in tests. If you own a high-end PC or laptop, 3DMARK offers the Fire Strike Ultra graphic test feature capable of displaying in UHD / 4K resolution.

Stress Tests integrated for 3DMARK is a way to test the reliability and stability of your system after building a new PC or overclocking the GPU and CPU. It can also identify defective hardware or overheating so that you

can "first aid" promptly.

UserBenchmark

Picture 2 of Top comprehensive computer testing software 2020

UserBenchmark is the current popular benchmark software with over 20 million downloads and nearly 30 PCs tested. The great thing is that it is completely free and focused on individual users instead of businesses. So all UserBenchmark does is help you get the best hardware possible. Everything is user based and focused on real performance.

The software contains very small capacity, making it an ideal tool to evaluate the performance of key components on your PC: CPU, GPU, hard drive, USB . You can also compare the results. GPU, your 3D processing speed compared to other graphics cards. So you can refer to building yourself a perfect PC staging.

Strength:

1. Free download
2. Easy to use
3. Can help test and build PC from scratch

Weaknesses: Only supports Windows.

CPU-Z

Picture 3 of Top comprehensive computer testing software 2020

If you are a tech savvy person, CPU-Z is a familiar name because it is one of the most popular CPU test applications for Windows and Android. CPU-Z is basically the best free software and when you run it on your computer, you will get detailed information about CPU name and number, code name, cache, main board type and chipset type, etc.

CPU-Z is also quite good at providing information about the GPU and helps identify your PC components. Moreover, the software monitors the system's main health sensors like temperature, voltage and fan speed.

Advantages:

1. A freeware must have for computer lovers
2. Provide accurate data
3. Easy to use
4. Intuitive interface

Cons: only for Windows / Android

HWMonitor

The screenshot shows the CPUID HWMonitor application window. It displays a table of hardware sensors with columns for Sensor, Value, Min, and Max. The sensors are categorized into Voltages, Temperatures, Powers, and Utilization. A watermark 'ThuThietPhanMem.vn' is visible over the table.

Sensor	Value	Min	Max
GT Offset	+0.000 V	+0.000 V	+0.000 V
LLC/Ring Offset	+0.000 V	+0.000 V	+0.000 V
System Agent Offset	+0.000 V	+0.000 V	+0.000 V
VID #0	0.656 V	0.651 V	0.984 V
VID #1	0.656 V	0.656 V	0.981 V
Temperatures			
Package	64 °C (147 °F)	49 °C (120 °F)	69 °C (156 °F)
Core #0	63 °C (145 °F)	46 °C (114 °F)	69 °C (156 °F)
Core #1	62 °C (143 °F)	46 °C (114 °F)	69 °C (156 °F)
Powers			
Package	3.05 W	1.26 W	15.65 W
IA Cores	1.02 W	0.15 W	9.98 W
GT	0.01 W	0.00 W	4.44 W
Uncore	1.20 W	-0.46 W	2.95 W
DRAM	0.82 W	0.70 W	2.17 W
Utilization			

HWMonitor is basically a sub-part of CPU-Z, it monitors the hardware parameters (the most important indicators) of the computer by accessing health sensors: fan speed, temperature and power. pressure. Along with that, the latest versions of the software can read CPU, GPU and hard drive thermal sensors through SMART technology.

While HWMonitor is free, you can also opt for the Pro version that allows up to 20 remote connections and 2 years of unlimited updates.

WMonitor is the best way to ensure your PC does not overheat, leading to damage.

Cinebench

Picture 5 of Top comprehensive computer testing software 2020

Cinebench is one of the most comprehensive, reliable and thorough CPU testing software. The main function of the software is to run 3 tests on your machine: LuxMark rendering, Handbrake video compression and GIMP Image Editing. The CPU will run at 100% capacity and Cinebench will eventually give the most accurate results about CPU power. The results can also be uploaded to the software's official website so you can compare them with different hardware designs.

Advantages:

1. Free software
2. Mainly support CPU test
3. Easy to use
4. Works on Mac and Windows

Defect:

1. Over CPU focus, although you can also use Cinebench to test the GPU.

Conclusion

We have just taken a look at the Top comprehensive computer testing software. Hopefully, by the results you check, you will have more orientations to repair and upgrade your computer appropriately. Good luck!

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