

[Computer speed check](#)

Computer speed check tools are used for checking the clock speed of the CPU in your computer. You can download either the shareware or the freeware versions of the software and check various parameters concerning the speed of your computer system. You could also use one of several web-based computer speed check tools available on the Internet. There are two kinds of speed checks which are usually done on PCs; one which checks the CPU and other related speed elements in your computer, and the second one is the bandwidth speed of your ISP as related to your computer.

The speed of your computer CPU is measured by the actual performance of the CPU unit in your PC. The software utilized ideally indicates whether your CPU is over-clocked (which means if your CPU is running at a higher speed than that specified by the manufacturer), the CPU is running faster than it is rated for, or if your CPU is running in its specified speed range.

The rated speed of the CPU in your computer can be accessed on any of the Pentium 4 or later versions of CPUs. Under normal circumstances, this is the speed at which the CPU should be operating. Other than this, the CPU may be running at a lower clock rate than the one specified by the vendor. Specific computer speed check software provides detailed descriptions of the different levels of cache that the CPU supports, and the larger the cache size that it supports, the faster is your computer. The speed check tool also measures memory speed in your PC, which is the rate at which data is transferred between the memory and the CPU. This is done by having memory to memory transfer of a large volume of data, and the rate is calculated from the time taken to complete the data transfer.

Your speed check software not only checks the speed of the CPU in your computer, but the features allow checking of every speed component in your computer system, your network speed, and the speed at which your computer accesses the Internet. Some of the professional computer speed check software provides a control panel by which you can change the settings of the parameters for measuring the different speed levels of the related components such as, CPU clock speed, memory speed, etc. Results of these measurements are made available in a separate graphical screen.

By making changes in the BIOS settings, the clock speed of the CPU in your PC can be adjusted. If you find the speed of your computer system is falling, there could be various reasons for its lowered performance. One could be that the CPU in your PC is not operating to its specified speed, or there could be something wrong with your data transfer rates. Computer speed check utilities may be used to find out various speed elements in your computer. The analysis done by the software can help you determine which speed component is affecting the performance of your computer.

The type of CPU in your computer is automatically detected by the BIOS in your system. The BIOS also sets the clock speed of the CPU which can be adjusted by setting the multiplier factor in the BIOS. The overall functioning of your computer depends on the CPU clock speed, the multiplier factor, and the bus speed of your PC. The bus timings in your PC determine the speed at which data is transferred. If the rate at which the data is transported gets to be low, the performance of your computer degrades accordingly. Computer speed check utilities offer several features, and you can choose the one which is right for you. There are basic tools which just check the CPU speed, others provide detailed analysis of the speed related components in your PC.

The clock speed of your CPU could be set from your BIOS. This is done basically by setting the multiplier, which determines the overall CPU clock speed. Take the example of a processor having a speed of 550 MHz with a front side bus speed of 100 MHz. This would mean that the multiplier has been set to 5.5 times the speed of the front side bus, which in effect makes the processor work at 550 MHz. Before you set the CPU speed through your BIOS, you need to find out the various parameter values that are governing the speed factor in your PC. Computer speed check software provides you with all the information that you require for setting the CPU speed correctly in your PC.

About the Author

To find out the speed of the CPU in your PC, go here to download [computer speed check](#) software. [Free Registry Cleaner](#)

Source: <http://www.onlineearnings.net>