

What Is The Purpose Of The Computer's Memory Module ?

Your computer is a delicate device that is very complex. Most people never truly understand how the machine works and what it is capable of doing. It handles so much information and at such a lightening fast rate. You can make it faster though. It can be your own version of the Bionic Woman. With an upgraded memory module, your desktop memory can be bigger, faster and stronger. You will be amazed at the difference. When it comes to learning about a memory module you may need some background information on the components and acronyms that are frequently used. Take for example the DIMM and the SIMM. One is a dual and the other is a single. But do you know how they work? The Central Processing Unit accesses the information stored on the DIMM or SIMM. The faster the CPU can access the information, or if it is more readily available, the faster your unit will run. The DIMM is used for a RAM, or a Random Access Memory upgrade. Desktop computers and notebooks need this RAM and is one of the easiest and cheapest ways to increase your storage. But you will need to know a few things before you can do the upgrade. First, a SIMM uses a 32 bit data path, whereas a DIMM uses a 64 bit data path. Initially, the DIMM is still the faster unit to have running. If you are looking to replace the DIMM, then you need to know what you are currently using. You will have to add up your storage capacity by counting groups of chips. Chips are measured in bits so you will have to do a little math. To convert bits into bytes, the formula is the number of bits divided by 8 bytes. The resulting number is the amount of mega bytes that you are currently using. PC memory upgrades are pretty simple. You simply replace the memory module with the faster processing speed or you can stack the chips and also stack the mother boards. This allows you to utilize one slot and still build up more memory for your computer to use. You can purchase these chips at a discount computer hardware store and some will even have service departments where you can have a staff member upgrade your computer for a small fee. This may save you time and a hassle, especially if you are not very computer savvy.

About the Author

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