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Various Types of Computer Memory by Loard Larson

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Computer is such a vast & creative invention which dynamically changes the lives living today on earth. For the purpose of modification of this invention, different sizes and different shapes have been evolved. Nowadays, life without computer isnâ€™t possible. Every home contains a piece of this invention weather in a form of a small gadget or big specific purpose computers. Almost every working place contains this invention in order to enhance the productivity.

What actually is inside the computer that makes it so special and powerful enough to bring that much big change in everyday life? One of important components is its processor that is built as comparison with a heart present in a human body. Processor of a computer is used to do all the calculations and the processing of information inserted into it. Its processor though isnâ€™t enough to make it a remarkable invention. Storing the data and using and reusing it have greater impact. In case of no memory tool, only the presence of processor will make it a onetime deal. Computer RAM enhances the processing by providing with the storage space. It makes it the possible option to store once processed information and retrieve it afterwards for as long time as one could desire. So, in short without the availability of computer memory, this remarkable impact wouldnâ€™t be possible.

Different types of computer memory components are available for the storage purposes. These types can be differentiated on the basis of their specialties & capabilities. One of the types of computer memory is computer RAM, abbreviation used for Random Access Memory. Computer RAM is termed as random access memory because it has the specialty of accessing data directly from its location without going through the whole data. SAM, Serial Access Memory, is the opposite of computer RAM, used to check the data in a sequential way. Example of data storage on SAM is cassette tape, in case of which one has to go through all the memory before reaching at the point where the desired data is stored.

ROM is another type of the computer memory. It is the abbreviation for Read Only Memory. ROM is basically integrated circuit that is programmed with certain data. This type of computer memory is called as read only, because the data stored on it canâ€™t be changed or modified. In addition to RAM and ROM, virtual memory is also used within the computer system. The task performed by virtual memory is that it freed RAM with the applications that are unused for a long time and in result making space for new data storage. Virtual memory helps the computer in thinking a fact that it has unlimited RAM storage built inside it.

One other type of computer memory is Cache memory. Cache memory is used to store current applications & data in it rather than to use main storage area for it. This helps in computer to perform task fast e.g. if any program want to access the information currently used, it will first check in cache for that information rather than to search for the whole big area of main memory. This will save time and enhance the speed of information processing.

There are still developments that are made to enhance the technologies used for the better processing of the computer. Continuous developments might lead the computer RAM big enough to fulfill the human consumption requirements.

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