Select

~~About~~   Privacy Policy   Contact   Sitemap   Ask

Search …   Search

DIFFERENCE btw

Technology ▾   Education ▾   Health ▾   Business   Entertainment   Automobile   Travel   People

Home / Technology / Difference Between RAM and Processor

Difference Between RAM and Processor

Posted on 2015-02-06 by abdulhadi in Technology with 4 Comments

Advertisements

Whenever a customer search for a laptop or computer, the first two things which comes in mind are RAM and processor that RAM is of how many GB and processor is how many GHz. Both RAM and processor/RAM are fundamental parts of computer, laptops, notebooks and smart phones. Their collective performance will decide the whole performance of your system. Difference between them can be judge from that your system will not operate properly without any one. So both are required at the same time for collective performance. After this it will become easy to understand the difference between RAM and processor.

RAM:

RAM is a medium of primary storage. Whenever, we want to perform some task , memory is first loaded in RAM before hard drive. The more RAM means the more memory will be stored by it and it will be capable of circulating the memory fast. Its memory storage system is volatile by default. It hold information and processed data until you are working on your computer. When you will shut down your system all memory will be erased automatically. It stores all the memory up to a limit. After reaching a specific limit, it will erased the old useless memory for new memory.

Privacy & Cookies Policy

Watch video about Ram

Processor:

Processor is the operating system of a computer which process the input and saved data. Whenever we command a task to computer, the processor starts to process the task according to given instructions. It can perform multi task at the same time. Either you type or play a music, all these are performed by the processor. All the functions are processed by its two main function ALU (Arithmetic Logic Unit) and CU (Control Unit). Its basic unit is GHz. It means it can perform one billion cycles of instructions in one second. The more you will update the processor, the more it will be able to perform high cycles per second. At that time, AMD, ARM and Intel are manufacturing different kinds of processor.

Watch video about Processor

Difference:

Following are the difference between both.

- Processor is assigned with instructions of processing the task while RAM actually run the program.
- Processor does not hold any memory either system is on or off. RAM holds temporary memory until system is on and erase automatically all memory when system shutdown. That's why it is called Random Access Memory.
- Processor is more expensive than RAM.
- A special fan is required for processor because it got heated after sometime. Sometimes a special gel is mandatory to keep it cool. There is no concept of heat and requirement of fan and gel in case of RAM.
- Upgrading the RAM is more easier than processor. Processor can be upgrade on one condition if your motherboard can support.
- Although both RAM and processor are integral part of computer. However, processor can be slightly important from RAM in that sense it runs the whole system while RAM just performed the memory matters.
- Having high processor means the fast processing speed while having high RAM means the more capability of holding the data.
- Processor is not universally accepted by every system. For example if your motherboard supports only Intel processor, it will not able to support AMD or ARM processor. While RAM is widely acceptable. There is no requirement of specific RAM for motherboard.

Popular Stories:

Latest Diff Btw

Difference between Weasel and Ferret
2016-02-21 | 0 Comments

Difference between Zantac and Omeprazole
2016-02-20 | 0 Comments

Difference between Tomato Paste and Tomato Purée
2016-02-20 | 0 Comments

Difference between OS X Mavericks and OS X Yosemite
2016-02-20 | 0 Comments

Difference between Latte and Coffee
2016-02-19 | 0 Comments

Difference between GNOME and KDE
2016-02-19 | 0 Comments

Difference between Totalitarianism and Dictatorship
2016-02-18 | 0 Comments

Difference between Greenhouse Effect and Global Warming
2016-02-18 | 0 Comments

Difference between Intel Xeon and