Volatile vs Non-Volatile Memory

Summary: Difference Between **Volatile and Non-Volatile Memory** is that Volatile Memory is a type of memory who continuously needs power connection to function. While Nonvolatile memory, by contrast, does not lose its contents when power is removed from the computer.

Volatile Memory

Volatile Memory is a type of memory who continuously needs power connection to function. When the computer's power is turned off, volatile memory loses its contents. And the information will get erased when the source is out. The most common and well known form of Volatile Memory we are using in our computers is Random Access Memory (RAM). RAM is necessary to run a program or instruction on a computer or any other electronic device similar to the computer, but it loses the data when power is removed.

Non-Volatile Memory

Nonvolatile memory, by contrast, does not lose its contents when power is removed from the computer.Thus, volatile memory is temporary and nonvolatile memory is permanent. RAM is the most common type of volatile memory. Examples of nonvolatile memory include ROM, flash memory, and CMOS. The following sections discuss these types of memory.