

# RAM

# AND

# ROM

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STANDS FOR :

RAM

The full name of RAM is  
Random Access Memory.

ROM

The full name of ROM is  
Read Only Memory.

## BASIC DIFFERENCE :

### RAM

RAM is also known as read/write memory as information can be read from and written onto it.

### ROM

ROM is called Read-only memory as information can only be read from and not written or changed onto ROM.

## VOLATILITY :

### RAM

The storage of data and instructions in RAM is temporary. It works only when our mobile or computer is on or is working,.

It disappears from RAM as soon as the power to the computer is switched off,

So it is a volatile memory.

### ROM

The storage of data and instructions in ROM is permanent.

It does not depend on the power supply.

So it is a nonvolatile memory.

USE AS:

# RAM

RAM is used for storing or loading the data of current processing or running work in the computer.

We are able to do many tasks at once because of RAM.

For example:  
Playing games with listening to songs and  
We can open and work on multiple tabs at once. etc

# ROM

ROM is used for storing an initial program called the 'bootstrap loader', which starts the computer software operating once the power is turned on.

It means that all the necessary things which is needed to boot a computer are stored in ROM.

# TYPES:

## RAM

Types of RAM:

1. Static RAM
2. Dynamic RAM

## ROM

Types of ROM:

1. PROM,
2. EPROM,
3. EEPROM.

## SIZE AND SPEED :

The size of RAM is much less than that of Rom but the speed of RAM is much more than the speed of Rom.

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