

Lesson 1 - Hardware Components

I) New Words

multimedia	arithmetic	access	peripheral	sequential
versatile	pixel	dimension	frequently	ethernet

II) Expansions

- 1) AGP - Accelerated Graphics Port
- 2) BIOS – Basic Input Output System
- 3) CRT – cathode ray tube
- 4) LED – Light Emitting Diode
- 5) LCD – Liquid Crystal Display
- 6) PCB – Printed Circuit Board
- 7) CAD – Computer Aided Design
- 8) VGA – Video Graphics Array
- 9) SMPS – Switched Mode Power Supply

III) Important Points

- 1) **Hardware:** The physical components of a computer system which are tangible.
 - 1) E.g. Internal Hardware and External Hardware
- 2) **Software:** It refers to the set of programs, which are required to operate the computer system.
 - 1) E.g. System software and Application Software
- 3) *Difference between internal and External Hardware*

Internal Hardware	External Hardware
The Hardware Components which are fixed inside the CPU cabinet	The Hardware components which are connected to the computer, these components are also known as peripherals
Motherboard, CPU, RAM, ROM, SMPS, Heat Sink	Input, Output and Storage Devices

- 4) Tabular Form of Internal Hardware Components with their usage

Internal Hardware Components	Usage
Motherboard	It is also known as the PCB. It holds many crucial components of a computer system.
CPU	It is also referred to as a microprocessor. It carries out each instruction of a program in a sequence to perform the basic operations of the system.
Disk Drive	It enables to read, write, delete and modify data on a storage disk.
SMPS	It is also known as the power supply unit. It converts the input high voltage electric current to low voltage and supplies it to the motherboard and other parts of the computer
Heat Sink	It is designed to disperse the heat generated by the CPU
Ports	The cabinet has several connection ports for connecting specific external input or output devices.

- 5) GO on External Hardware Components of a Computer
- 6) GO on types of scanners

IV) Fact file

- 1) Intel i9 12th gen is the best gaming processor.
- 2) The largest capacity of USB 3.0 is 1 TB