

Computer Hardware

by Aikorkem Mustazhap

Computer Hardware



is the physical components of the computer, Refers to the tangible (things you can touch) components of a computer system.

Components

are further divided into three groups:



Input Devices

Output Devices

System Unit

INPUT DEVICE

An input device lets you communicate with a computer. You can use input devices to enter information and issue commands.

OUTPUT DEVICE

An output device displays information on a screen, creates printed copies or generates sound.

SYSTEM UNIT

The system unit is the part of the computer which is responsible for accepting and processing the data brought in by the input devices

INPUT DEVICES



Keyboard

Is a standard input device of most computers.

Used to type data into the computer.

Mouse

is a hand-clicked device used for pointing and moving objects



is an input device which is commonly used for computer games

Joystick

Track Ball

basically an upside down mouse



Light Pen

a device used to draw, write, or issue commands when it touches a specially designed screen



Scanner

A scanner allows you to scan documents, pictures, or graphics and view them on the computer.

Used to input sound into a computer

Microphone



OUTPUT DEVICES

Inkjet Printer



Laser Printer



Impact Printer



Printers are an output device that produces text and graphics on paper



The monitor is used to provide soft copy output.

Multimedia Projector



is a type of video projector for displaying video, images or computer data on a screen or other flat surface

Speaker

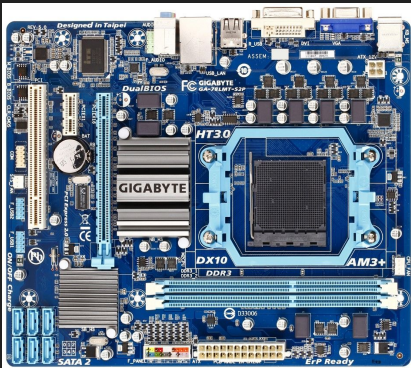
Play sounds transmitted as electrical signals from the sound card.



SYSTEM UNIT

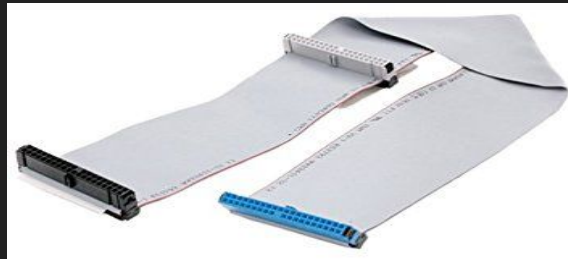
Motherboard

The motherboard is the main circuit board of a microcomputer. It is also known as the mainboard or system board



IDE

stands for Integrated Device Electronics. is a standard electronic interface used between a computer motherboard and the computer's disk storage devices

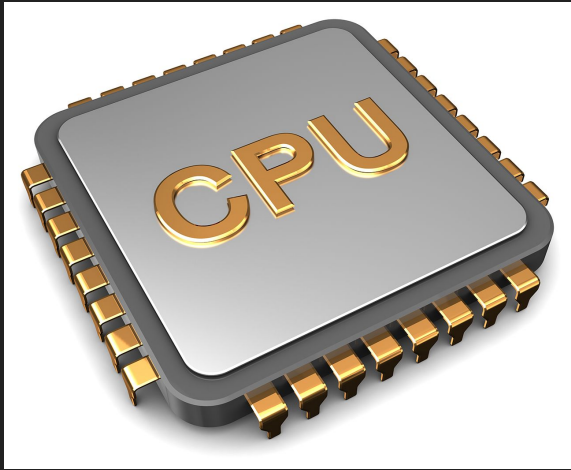


Hard-Disk Drive

is a storage device that store billions of characters of data on a nonremovable disk



CPU



The central processing unit carries out each instruction of the program in sequence, to perform the basic arithmetical, logical, and input/output operations of the system

Power Supply

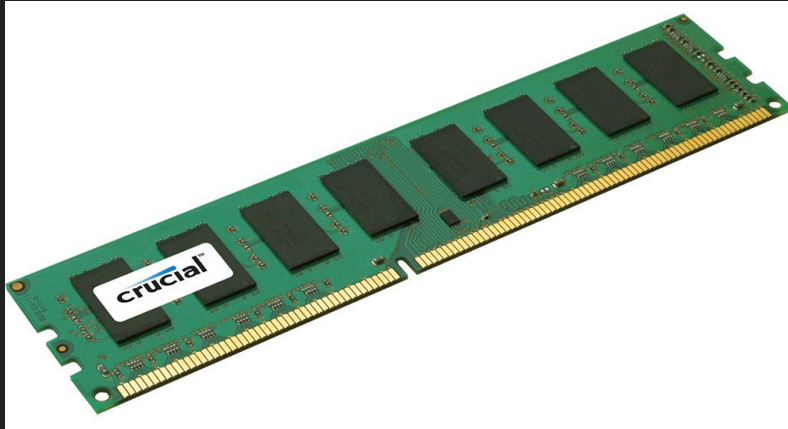
it supplies power from the power supply to the drive. The power cables are red, yellow and black. The yellow wire furnishes 12 volts of power, the red wire furnishes 5 volts of power, the two black wire are ground wire for each.



Memory

The memory in a computer system is of two fundamental types: The main/primary memory and the secondary memory.

Primary Memory



RAM

Secondary Memory



HDD

Floppy Disk Drive



Used to store and retrieve information on a floppy disk.

CD/DVD Drive



is a device that reads information stored on a compact disc, it is a storage device that use laser technology to read data from optical disks.

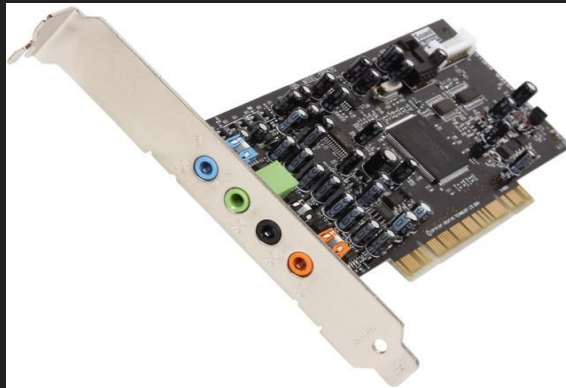
Video Card

is a board that is plugged into a computer to give it display capabilities.



Sound Card

enhances the computers sound generating capabilities by allowing sound to be output through speakers.



Modem

A modem is a device that sends and receives data over telephone lines to and from computers.



Thank you for attention!

Used materials:

<https://www.computerhope.com/jargon/h/hardware.htm>

https://en.wikipedia.org/wiki/Computer_hardware

<https://www.lifewire.com/computer-hardware-2625895>