INTERNAL COMPUTER HARDWARE

Internal computer hardware is the physical part of a Computer as distinguished from software that executes or owns from hardware. The hardware of a computer is infrequently changed while Software are modified frequently.

INTERNAL COMPONENTS -

1. MOTHERBOARD

The motherboard is the body or mainframe of computer, through which all other components interface. * central circuit board making up complex electronic system. Motherboard provides electrical connections by which other components of system communicate.

*It includes many components such as: CPU, RAM, fromware, Internal of esternal ports.

CPU: CPU is a machine that can execute computer programs. It is sometimes referred to as brain of computer.

2. RANDOM ACCESS MEMORY

-> RAM, is a fast access memory that is cleared when computer is power-down.

RAM attaches directly to motherboard; and is used to Store programs that are avoiently ourning RAH * RAM is a set of Ics that allows stored data to be accessed.

Types:

1. Static RAH

2. Dynamic RAH

3. Writable RAM

3. FIRMWARE *Loaded from ROM our forom the Basic Input -Output System (BICE). * Computer program that is embedded in hardware

device. Eg: Microcontroller * It is computer program

which is executed by micro processor or

controller.

* It is also tightly linked to piece of hardware.

3. GRAPHICS CARD

computer expansion card that generales feed of graphics output to a display device such as monitor.

* Comes in form of pointed circuit board which are to be inserted into expansion stol.

to Often preferred over integrated graphics for increased performance.

4. COMPUTER PORTS

* serves as interface between computer & other computers or peripheral devices.

*Refers to part of compiting device available for connection to peripherals such as input & output devices.

Eg: PS)2, Firewire, Deuts, Telephone plug. 6. NETWORK INTERFACE CARD

A Used to connect different networking devices.

* Functional such as Support for 1/0 disterrupts, Direct Hemory Access, partitioning & data toransmission.

Functions:

* Convert data into digital signal.

* Offers both wired & wereless data communication techniques.

computer | server and a data network

* operates on both physical as well as data link layer of OSI model.

7. SOUND CARD

*Internal expression card that provides imput 4 output of audio signals to E from computer under control of computer broagrame.