

Introduction to Computer Hardware: Computer Hardware

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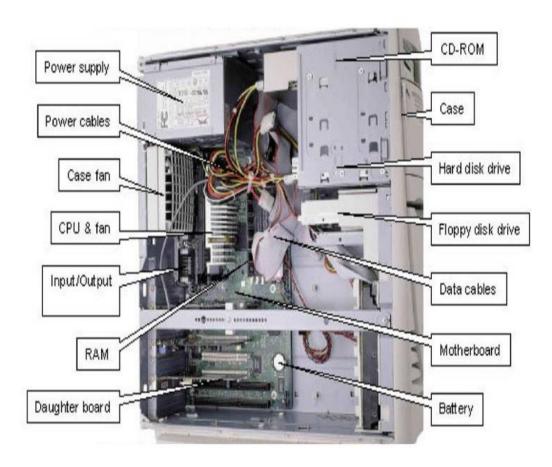


Computer Hardware

- Hardware, which is abbreviated as HW, refers to all physical components of a computer system, including the devices connected to it.
- Computer Hardware includes
 - Central Processing Unit
 - Input Devices
 - Output Devices
 - Storage Devices

 The most important components of computer is the central processing unit (CPU), microprocessor and random access memory (RAM).

- Almost every other part of your computer connects to the system unit using cables.
- Hardware that is not part of the system unit is sometimes called a peripheral device or device.



- Motherboard
- Processor
- Memory
- Power supply
- Floppy drive
- Hard drive
- CD or DVD drive
- Modem

Motherboard

- Also known as main board, system board and planar.
- It connects all the components inside the computer case.



Processor

- The processor is often thought of as the "engine" or "brain" of the computer.
- It's also called the CPU (central processing unit).



Memory

- The system memory is often called RAM (for random access memory).
- This is the primary memory, which holds all the programs and data the processor is using at a given time.



Power Supply

 The power supply feeds electrical power to every single part in the PC.



Floppy Drive

 The floppy drive is a simple, inexpensive, low-capacity, removable-media, magnetic-storage device.



Hard Drive

 The hard disk is the primary archival storage memory for the system



CD or DVD Drive

- CD (compact disc) and DVD (digital versatile disc) drives are relatively highcapacity, removable media, drive optical drives.
- Many recent systems include a rewriteable CD (CD-RW) along with or combined with a DVD-ROM drive.



Modem / Network Card

 Component that allow the computer to connect to the network or the Internet.



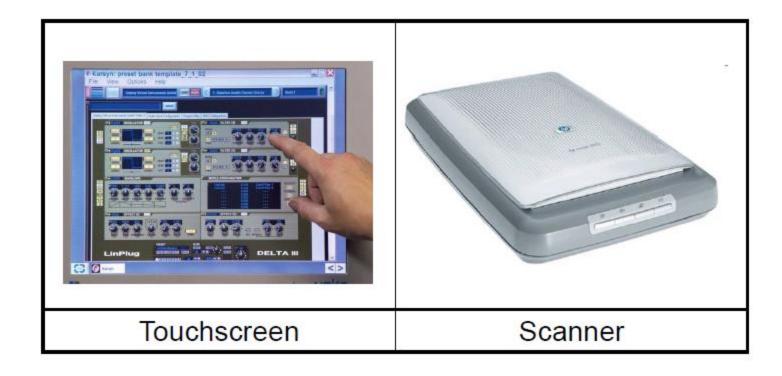
Input Devices

- Any peripheral(piece of computer hardware equipment) used to provide data and control signals to the computer.
- Allows the user to put data in to the computer.
- Common input devices are:
 - -Keyboard
 - -Mouse
 - -Touchscreen
 - -Scanner
 - -Webcam

Input Devices



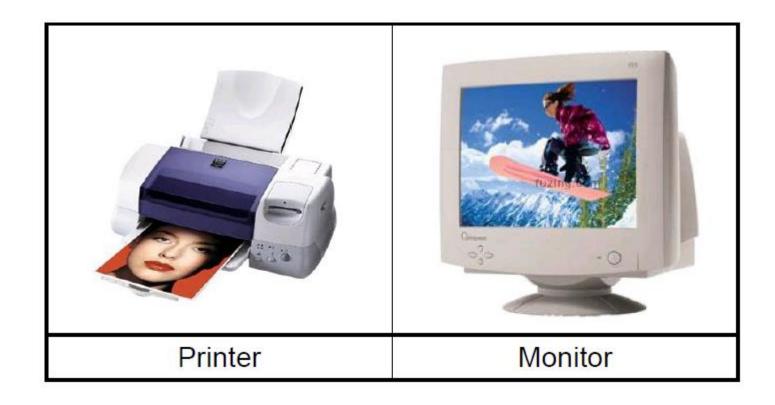
Input Devices



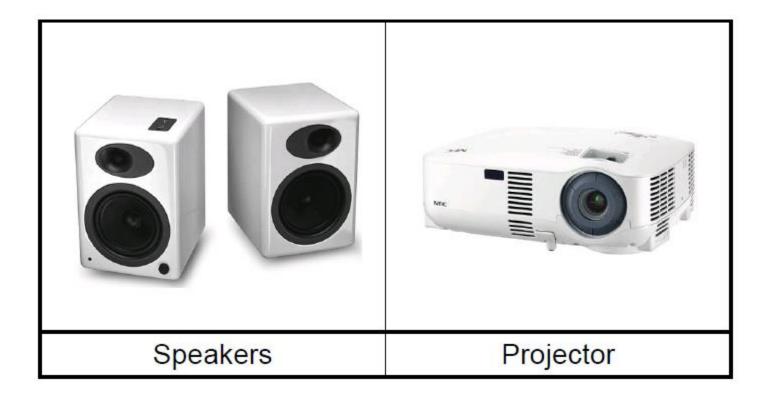
Output Devices

- Any piece of computer hardware equipment used to communicate the results of data processing carried out by a computer to the outside world.
- Common output devices are:
 - -Monitor
 - –Printer
 - -Speakers
 - -Projector

Output Devices



Output Devices



- Refers to computer components, devices, and recording media that capable of storing data.
- Examples of storage devices:
 - –Floppy disk
 - -Hard disk
 - -Pen drive
 - –Optical disk

