

**An Autonomous Institution**

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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**PROBLEM SOLVING AND C PROGRAMMING**

**I YEAR - I SEM**

**TOPIC 1 – Introduction to Problem Solving Techniques**

**TOPIC 2 – COMPUTER HARDWARE**

Processing Unit (CPU)

Unit

ces

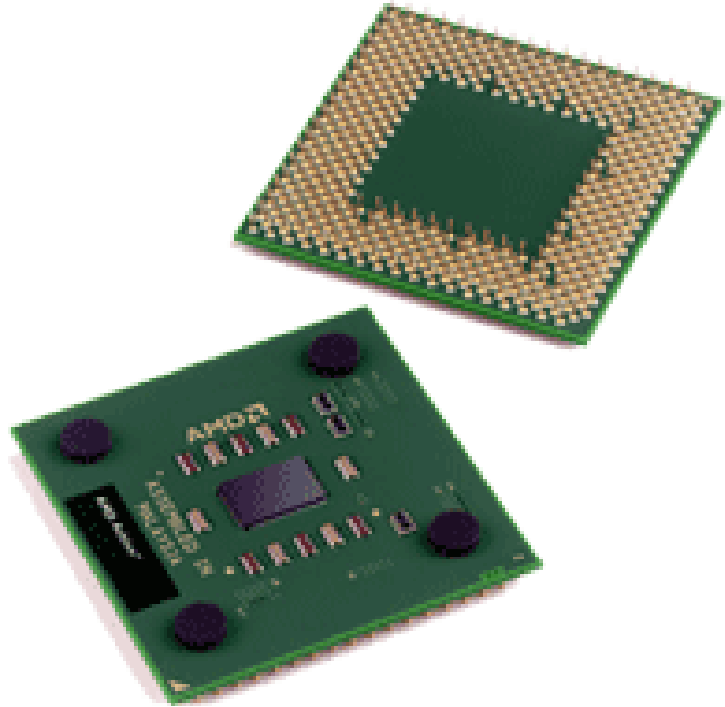
vices

Storage Devices

Processing Unit:

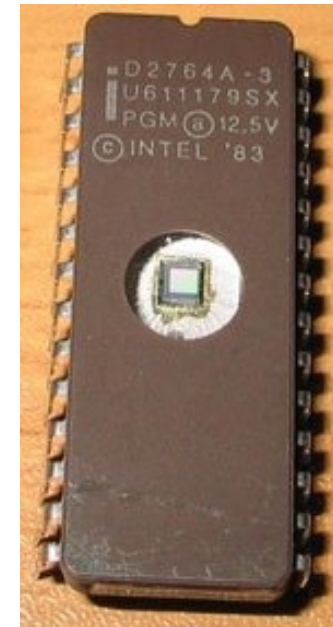
of the computer.

ects and controls the entire  
ter system and performs all  
etic and logical operations



- Memory Unit:

- Where the programs and data
- READ ONLY MEMORY (ROM) is used in a pre-programmed computer in the Basic Input Output System
- RANDOM ACCESS MEMORY (RAM) is used to store the programs and data that will run. Exists only when the



programs to be sent to the CPU.

e



Wide angle



Play&Plug



Video Call

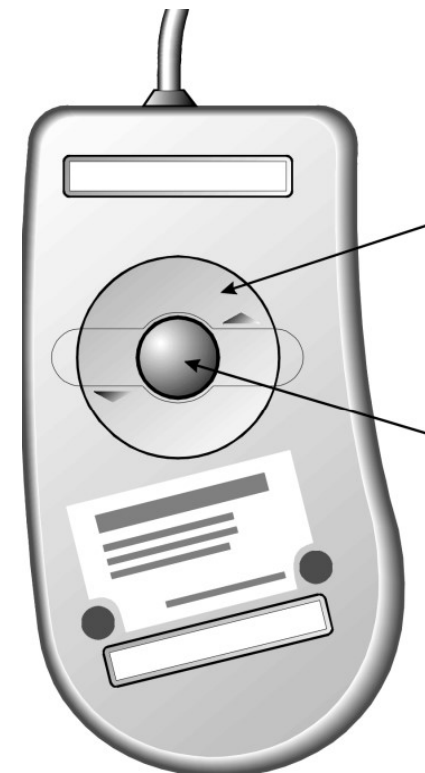


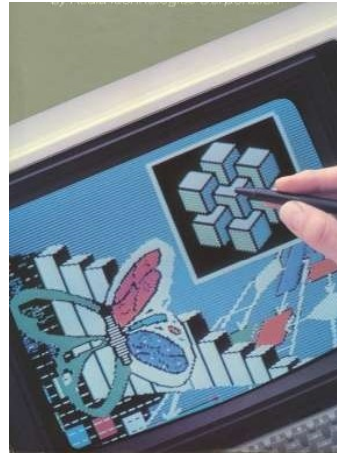
Built-in MIC

Types  
of keyboards  
ergonomic  
keyboards  
wireless  
keyboards  
touch  
keyboards



- Two Types of Mouse
  - Mechanical: a type of computer mouse that uses a rubber or metal ball on its underside. The ball can roll in every direction.
  - Optical: This type uses a laser for tracking the mouse's movement.







es  
scanners  
ers  
readers  
and mark recognition devices



- Camera Types
  - Digital Cameras
  - Digital Video Cameras



es: Media used by the computer in displaying its responses to our requests and

- Monitor
- Audio Speakers
- Printer

## Monitor

Tube (CRT)

l Display (LCD)



## Types of Printers

- **IMPACT PRINTERS:**
  - Uses pressure by physically striking the paper.
  - Ex. Daisy wheel printers, line printers, dot matrix printers & band printers.
- **NON-IMPACT PRINTER:**
  - Does not apply pressure on the paper but instead produces character by using lasers, ink spray, photography or heat.



...e computer system to allow you to store programs and data permanently for the purpose  
.../DVD Rom.

## isk Drive

materials &  
amount of data



## Optical Discs

A standard part of modern desktop machines, especially used for multimedia purposes and preferred in loading applications.



## Optical

Blue Ray Disk  
Digital Versat  
DVD-R – writ  
Compact Disk  
CD-R – write  
CD-RW – rew



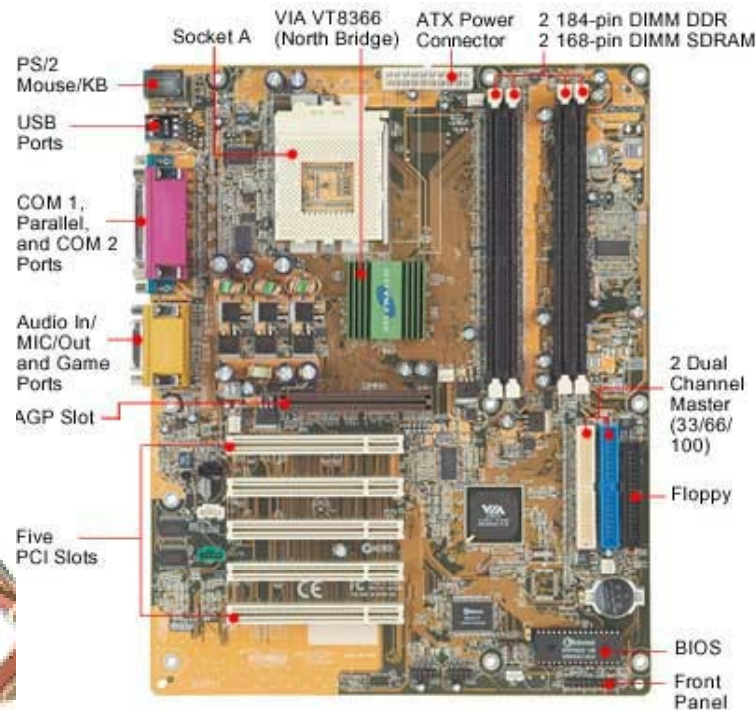
# Secondary Storage Devices

State Storage  
ing parts  
emory cards  
sh drives



# Power Supply

- Responsible for powering every device in your computer.



# Motherboard

- The physical arrangement of components in a computer that connects the computer's basic components. Like
  - Microprocessor
  - Coprocessor
  - Memory
  - Basic Input/Output System (BIOS)
  - Expansion Cards
  - Interconnects

face cards/network adapter

