

Discovering Computers 2008

Fundamentals
Fourth Edition



Chapter 1 Introduction to Computers

A World of Computers

What is **computer literacy**?

- Knowledge and understanding of computers and their uses
- Computers are everywhere



What Is a Computer?

How is a **computer** defined?

- **Electronic device that is controlled by instructions.**

Accepts **data**

Raw facts, figures, and symbols

Processes data into **information**

Data that is organized, meaningful, and useful

Produces and stores results

6 areas of Computer Technology

Hardware – parts of the computer you can touch

- Input devices
- Processing devices
- Output devices
- Storage devices
- Communications devices

People – computer professionals

- Careers in computers

Procedures – the rules

- Ethics
- Programming languages

Software – the instructions

- Application SW
- System SW

Data – the files that we create and save

- Hierarchy of data

Telecomm. - when computers talk to each other

- Networking

Categories of Computers

What are the categories of computers?

Personal Computers
(desktop)

Mobile Computers and
Mobile Devices

Game Consoles

Servers

Mainframes

Supercomputers

Embedded Computers

Personal Computers

What are the two most popular series of **personal computers**?

- **PC and compatibles use the Windows operating system**
- **Apple Macintosh usually uses the Macintosh operating system (Mac OS X)**



Click to view Web Link, click Chapter 1, Click Web Link from left navigation, then click Personal Computers below Chapter 1

Mobile Computers and Mobile Devices

What is a **notebook computer**?

- Portable, small enough to fit on your lap
- Also called a **laptop computer**
- Generally more expensive than desktop computers with equal capabilities



Game Consoles

What are **game consoles**?

Mobile computing device designed for single-player or multiplayer video games



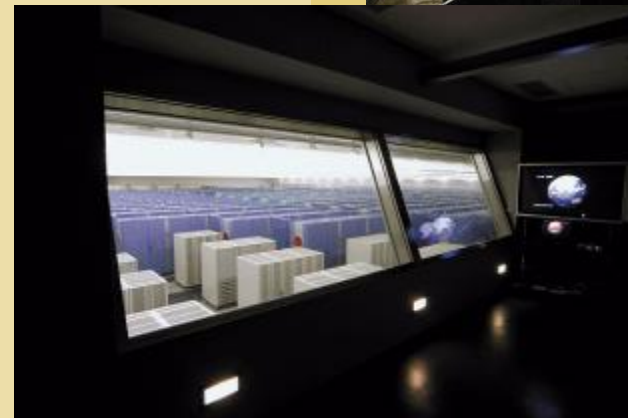
Servers

What types of servers are there?

A **server** controls access to network resources and provides centralized storage

Mainframe Very powerful, expensive computer that supports thousands of connected users

Supercomputer The fastest, most powerful, most expensive computer. Used for applications requiring complex mathematical calculations



Embedded Computers

What is an **embedded computer**?

- A special-purpose computer that functions as a component in a larger product



Computer Applications in Society

What are some examples of computer applications in society?

- Education
- Finance
- Government
- Health Care
- Science
- Publishing
- Travel
- Manufacturing

Step 1:

A patient swallows a tin
contains a miniature di
lights, a transmitter, an
camera is positioned a
the capsule.



The Lab

Complete Lab Assignment 1

- Start Word
- Start Excel
- Start Access
- Start PowerPoint
- Open a data file from the student directory in each application.

- Connect to: scsite.com/dcf4e