

BASIC COMPUTER USAGE

Computer FUNCTION



5 MIN



Computer consist of

Hardware

Physical components, like monitor, system unit, mouse, keyboard...



Software

Set of instructions that tell the computer what to do and how to do it.
(Operating system, applications)





WHAT IS ...?

Output

Input

Processing

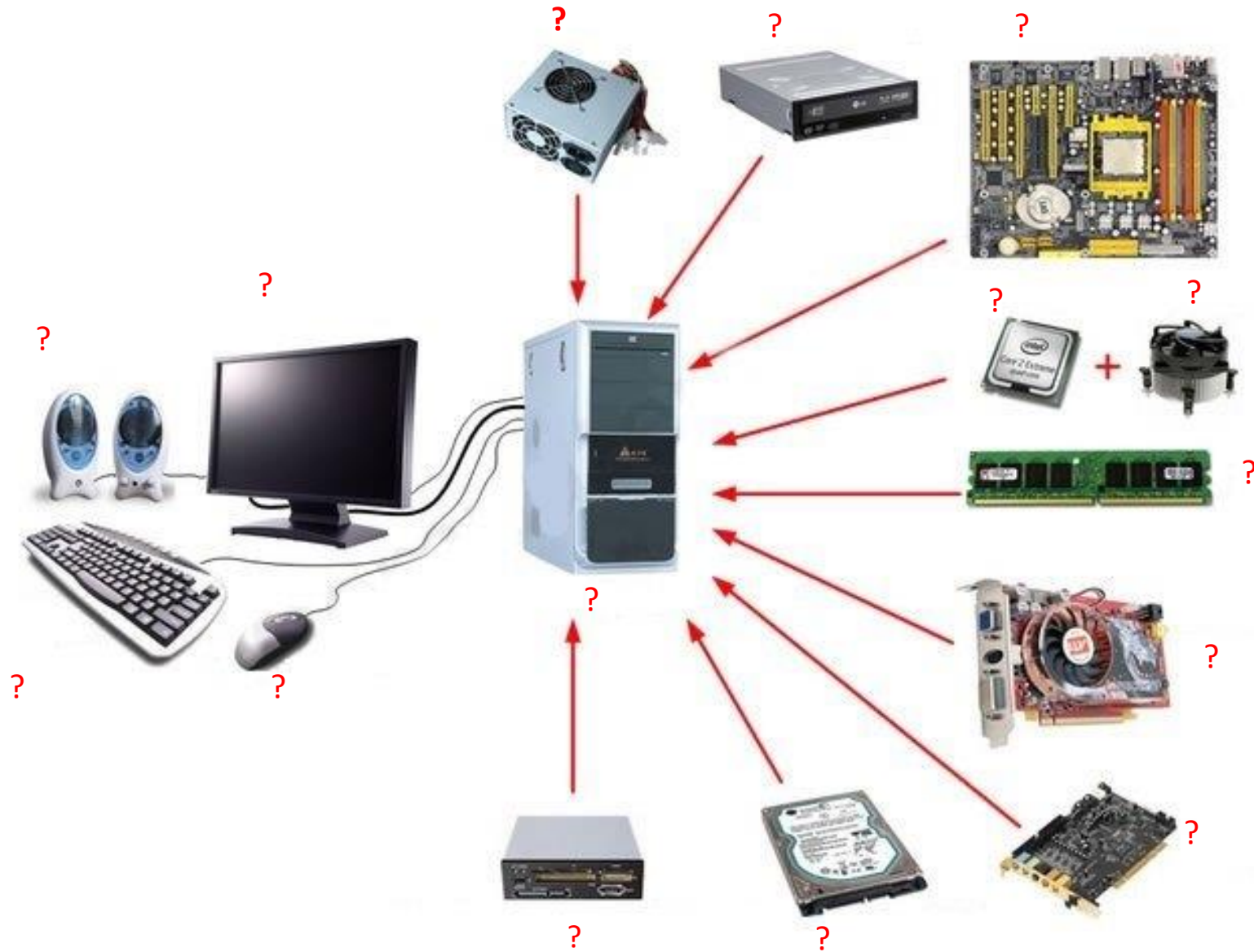
Storage



Hardware Components



5 MIN



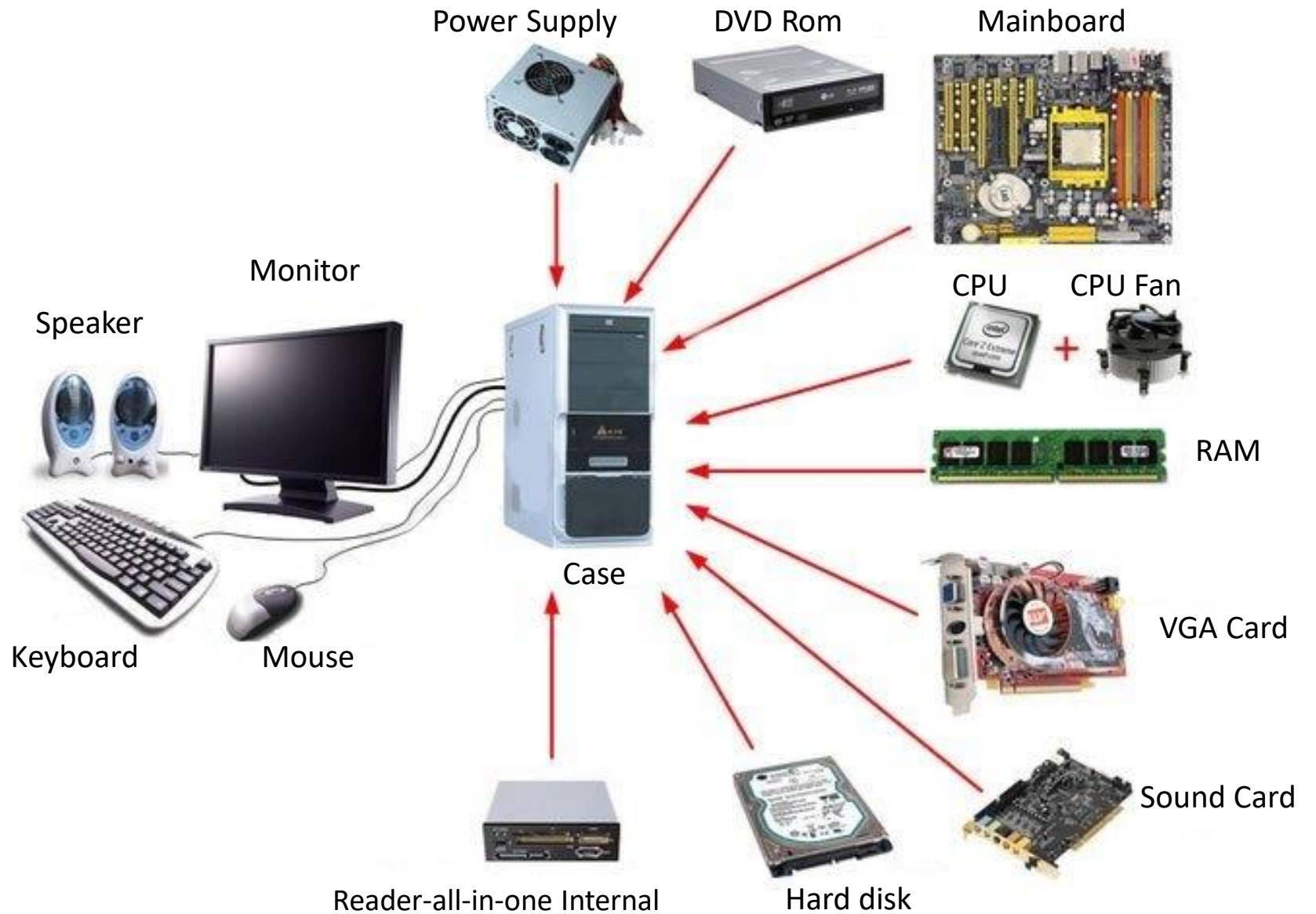


5 MIN



Hardware Components

Desktop hardware





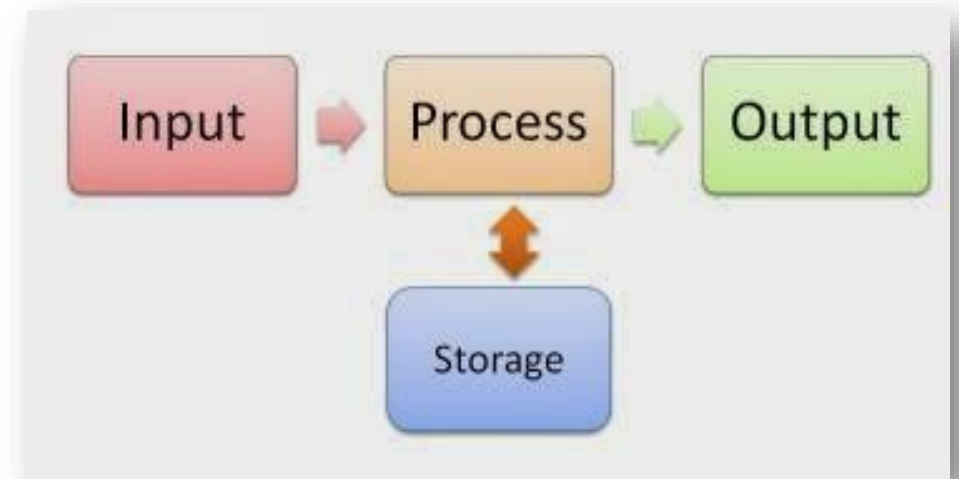
10 MIN



Computer Basic Operations

Computer accept data from an *Input device* and *processes* into useful information which is display on it *Output device*. These tasks are all related to the four basic computer operations:

- **Data Input** (Use Input device)
- **Data Processing** (Use processor / CPU)
- **Output information** (Use Output device)
- **Storage/Memory** (RAM/ Storage device)





INPUT
CONVERTS PHYSICAL INPUT
TO BINARY INFORMATION



MEMORY
STORES INFORMATION



CPU
CENTRAL PROCESSING UNIT
CALCULATES INFORMATION



OUTPUT
CONVERTS INFORMATION
TO PHYSICAL OUTPUT



Basic Operations

Input device is any hardware device that *sends data to a computer*, allowing you to interact with and control it.



Remote Control



Touch screen



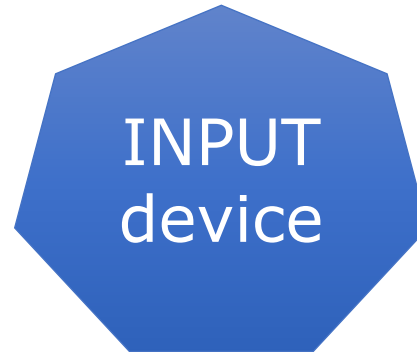
Scanner



Mouse



Microphone/Mic



Web cam



Keyboard

Basic Operations

Output is anything that *comes out of a computer*. *Output devices* can be display screens, loudspeakers, printers and etc.



Headset



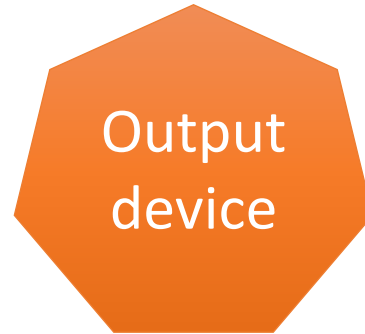
Printer



Display screen/Monitor



Speaker



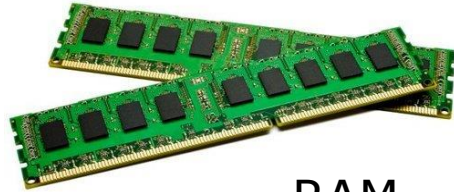
Projector



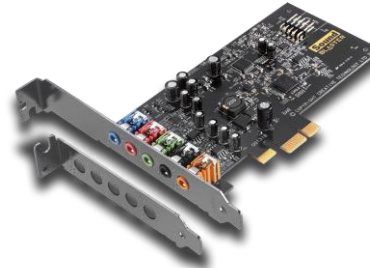
Plotter

Basic Operations

Processing devices are used in processing the data, using the program instructions. They perform *different calculations and also control the hardware devices*.



RAM



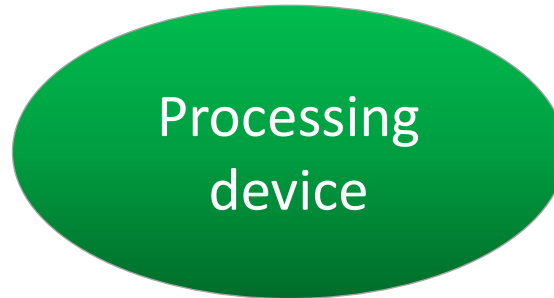
Sound card



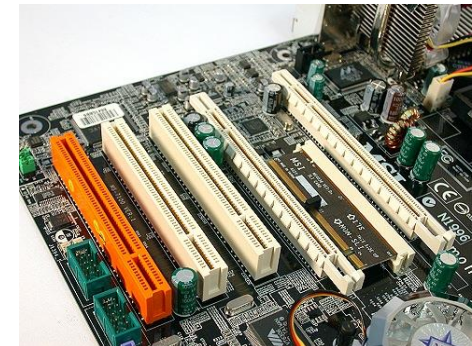
CPU/Processor



Motherboard



Network card



Expansion slots

Basic Operations

Storage device include any device which will store data until is needed for processing. This can include **temporary** and **long-term** storage devices.

