

Windows XP

CIS 1130

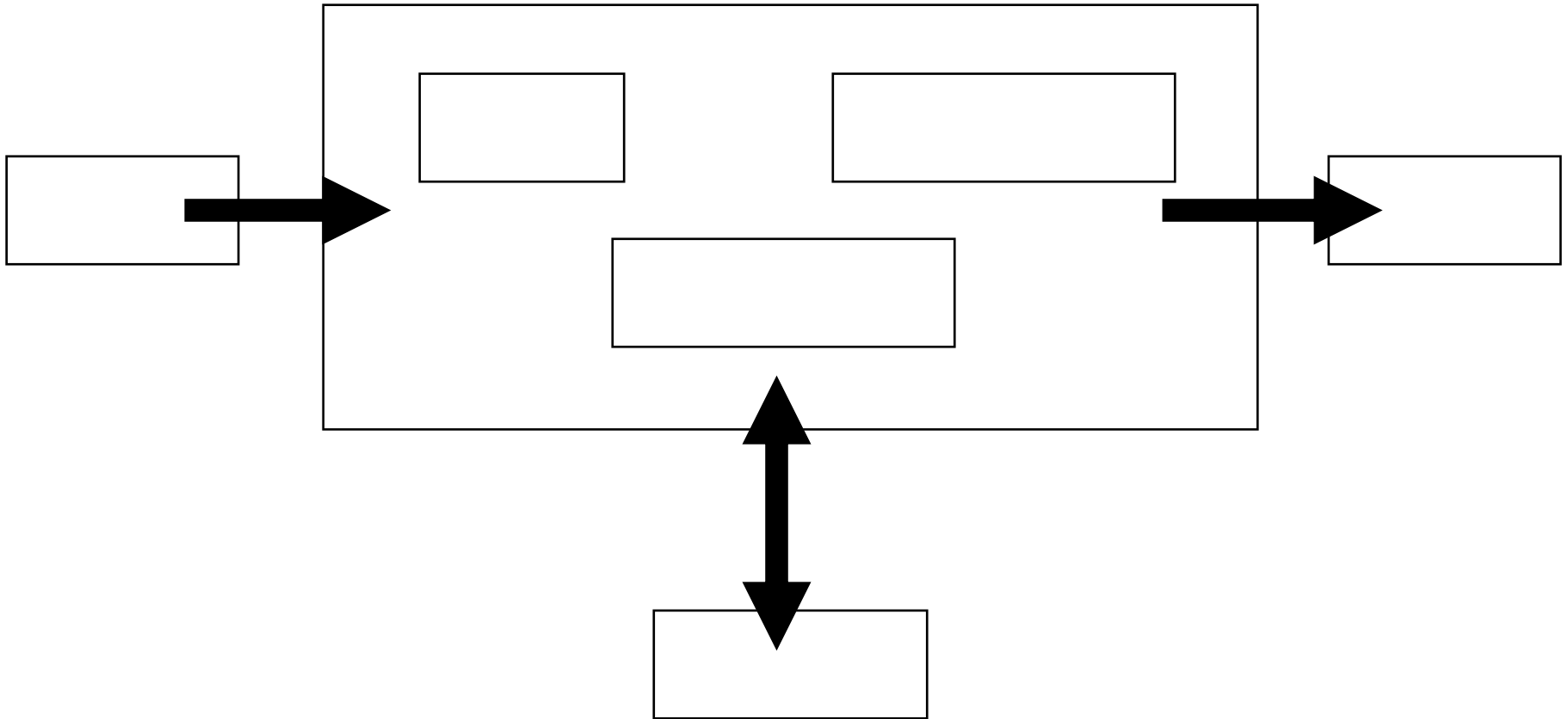
Instructor

Jim Leifel



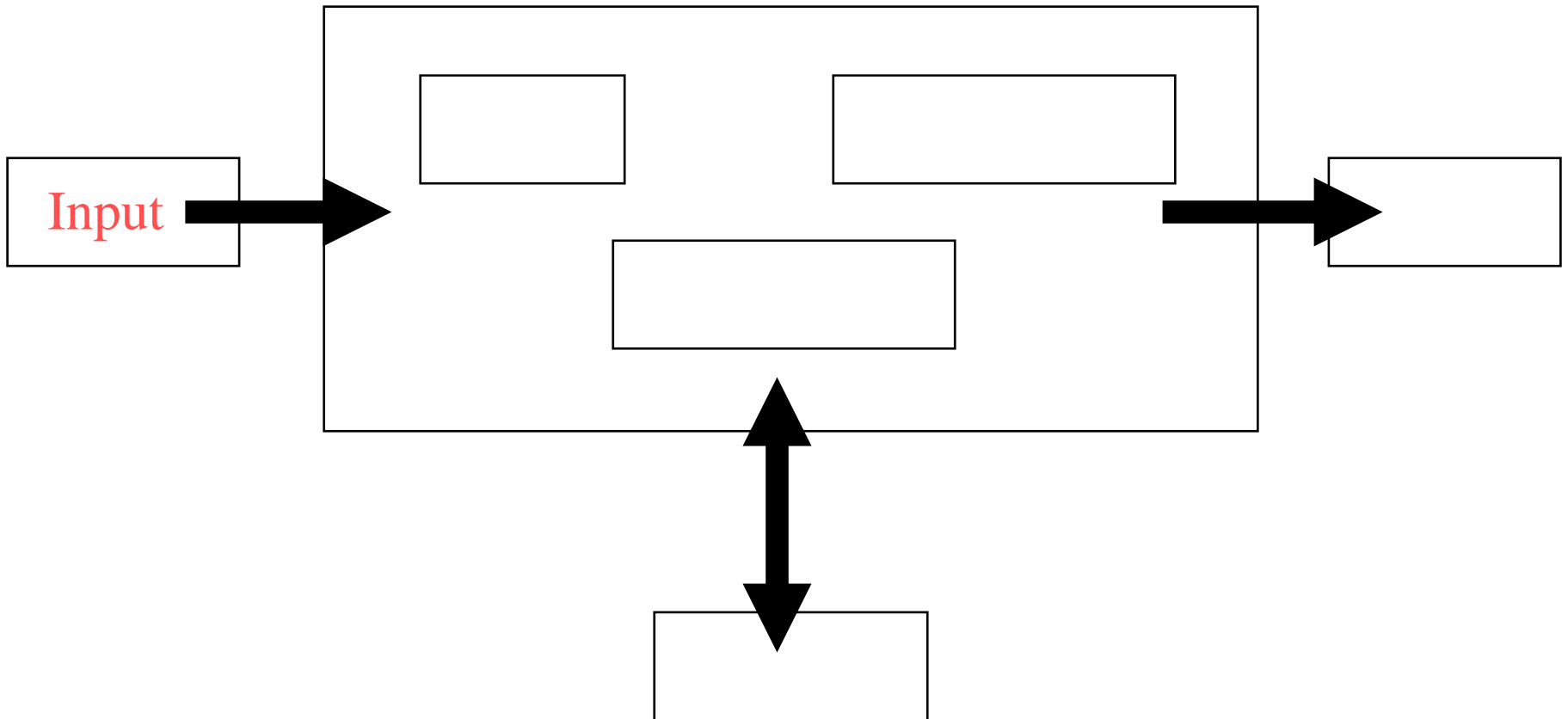
Components of a Computer System

CENTRAL PROCESSING UNIT



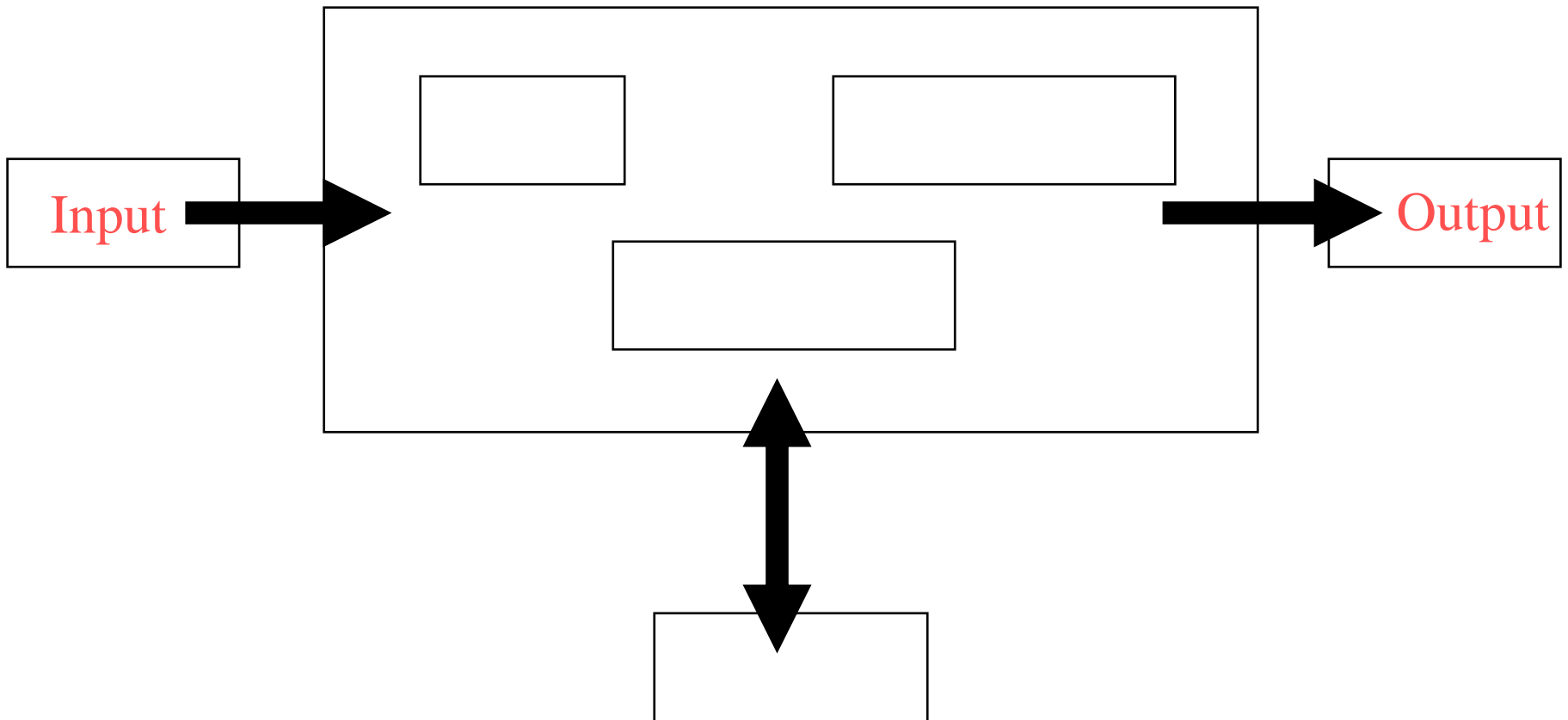
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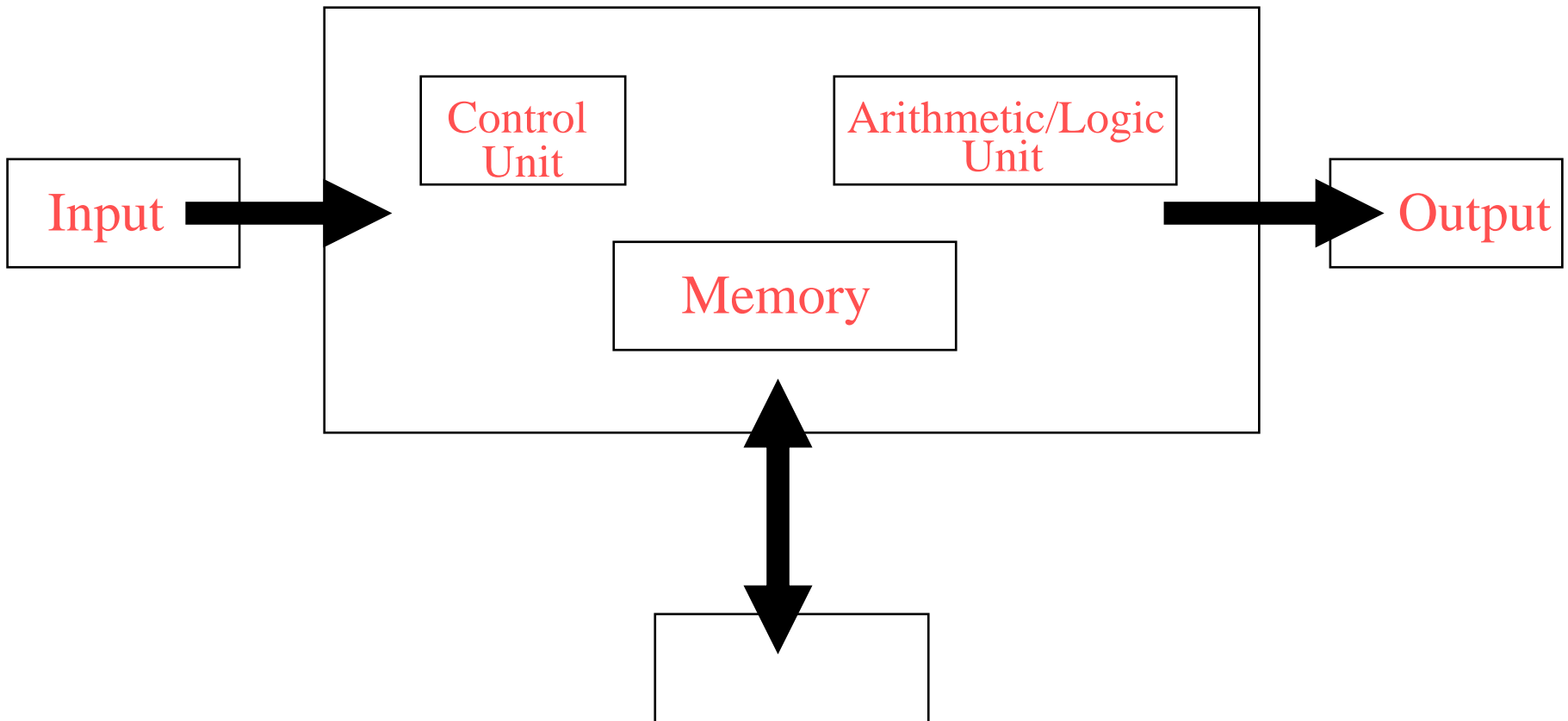
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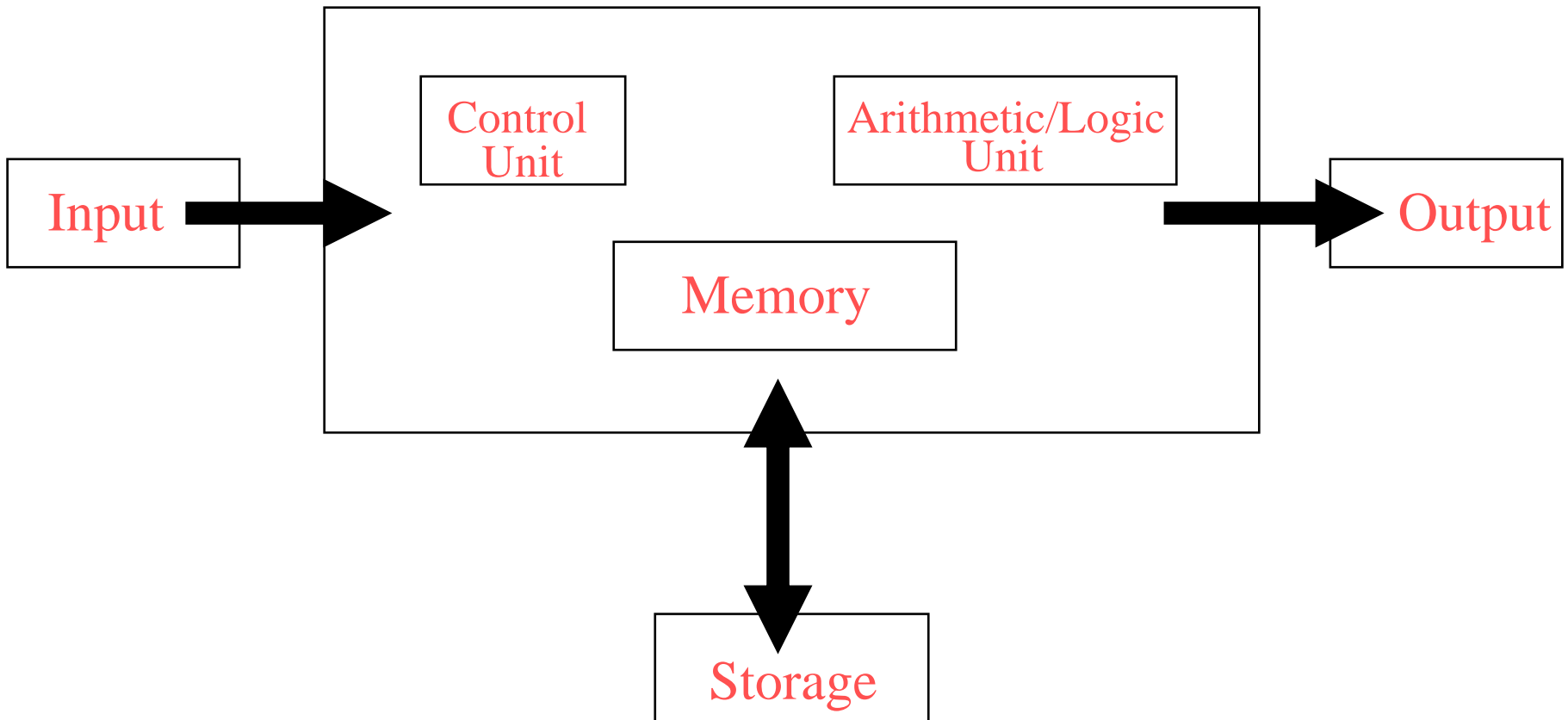
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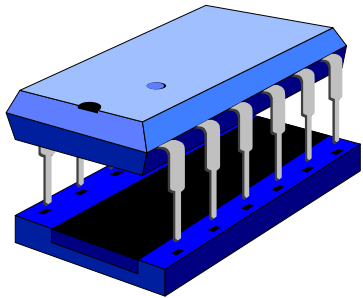
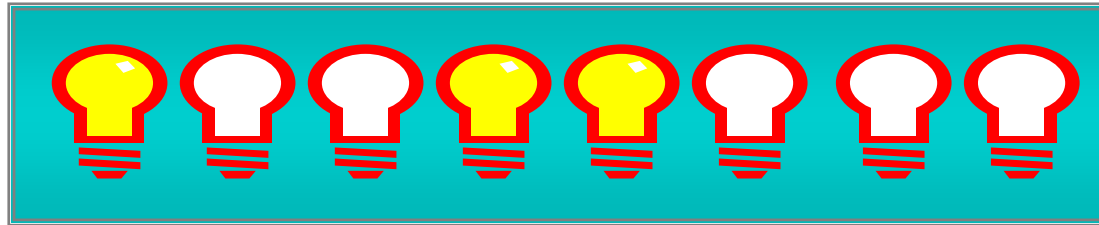
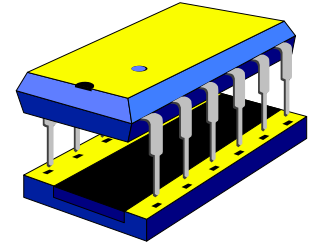
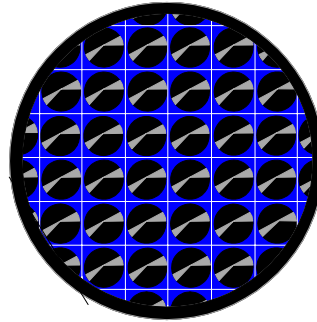
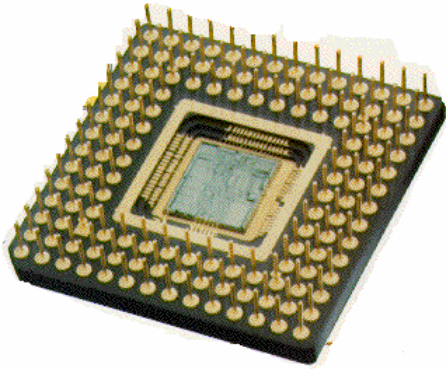


Components of a Computer System

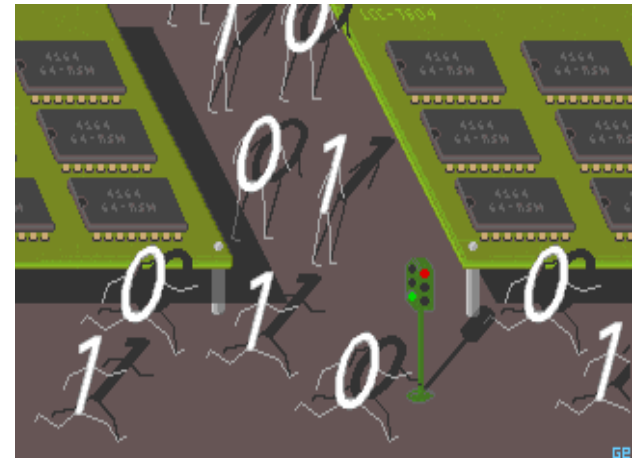
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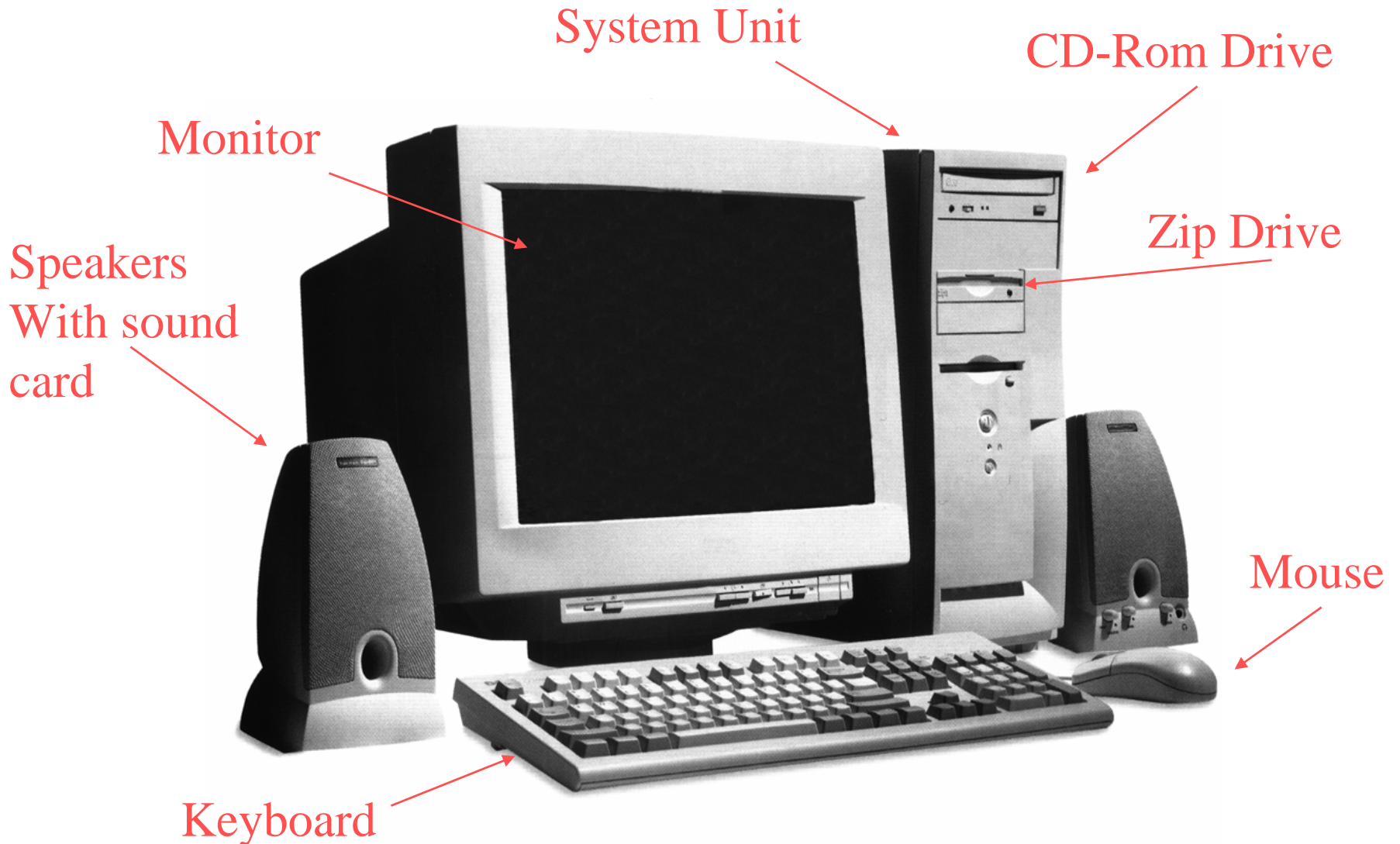
Data Representation and the CPU



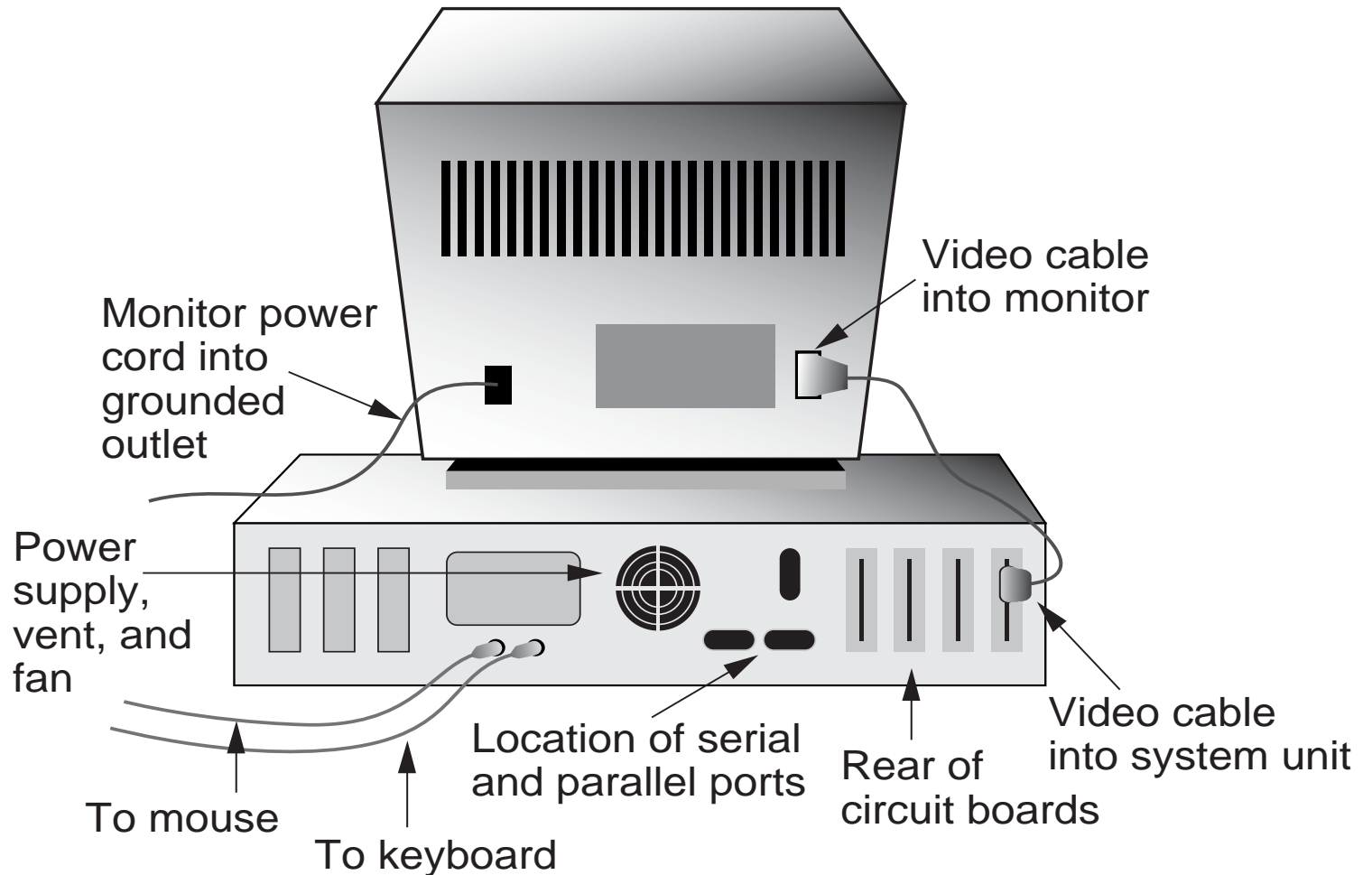
- ASCII
- BITS
- BYTES
- KILO
- MEGA
- GIGA
- TERA



A Typical Microcomputer System

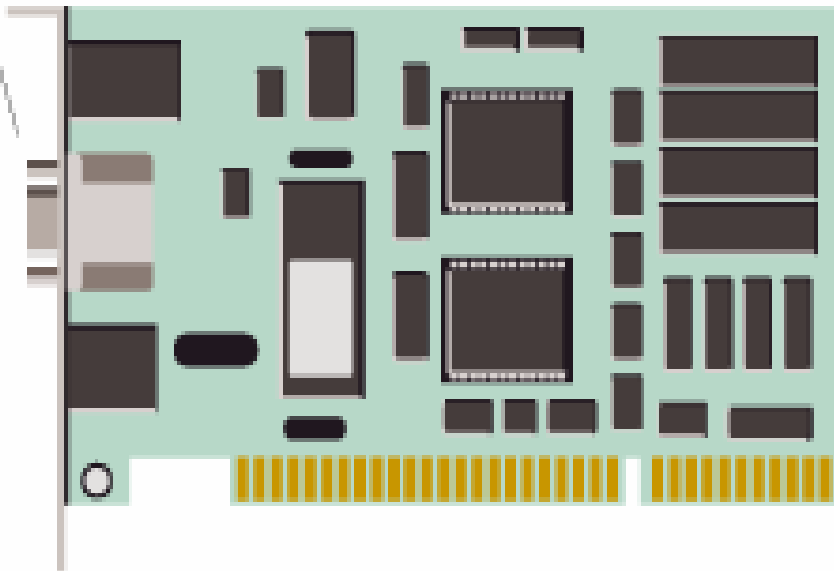


Cables Attached to a Case

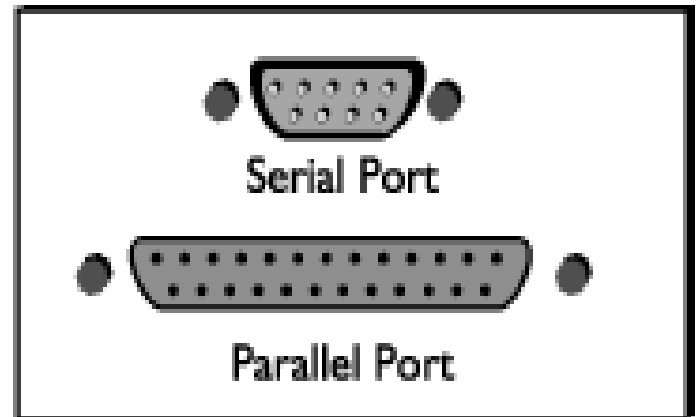


I/O Ports

Serial Port



I/O Card



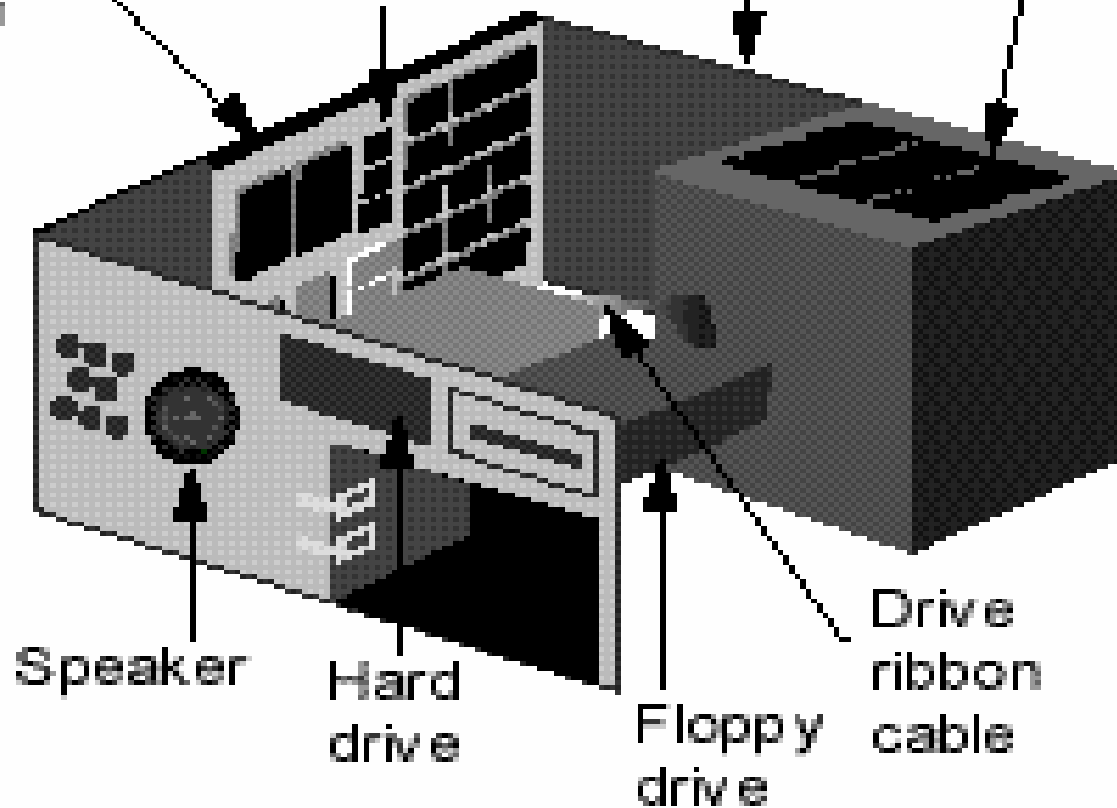
Inside the System Unit

System board is beneath circuit board and cannot be seen

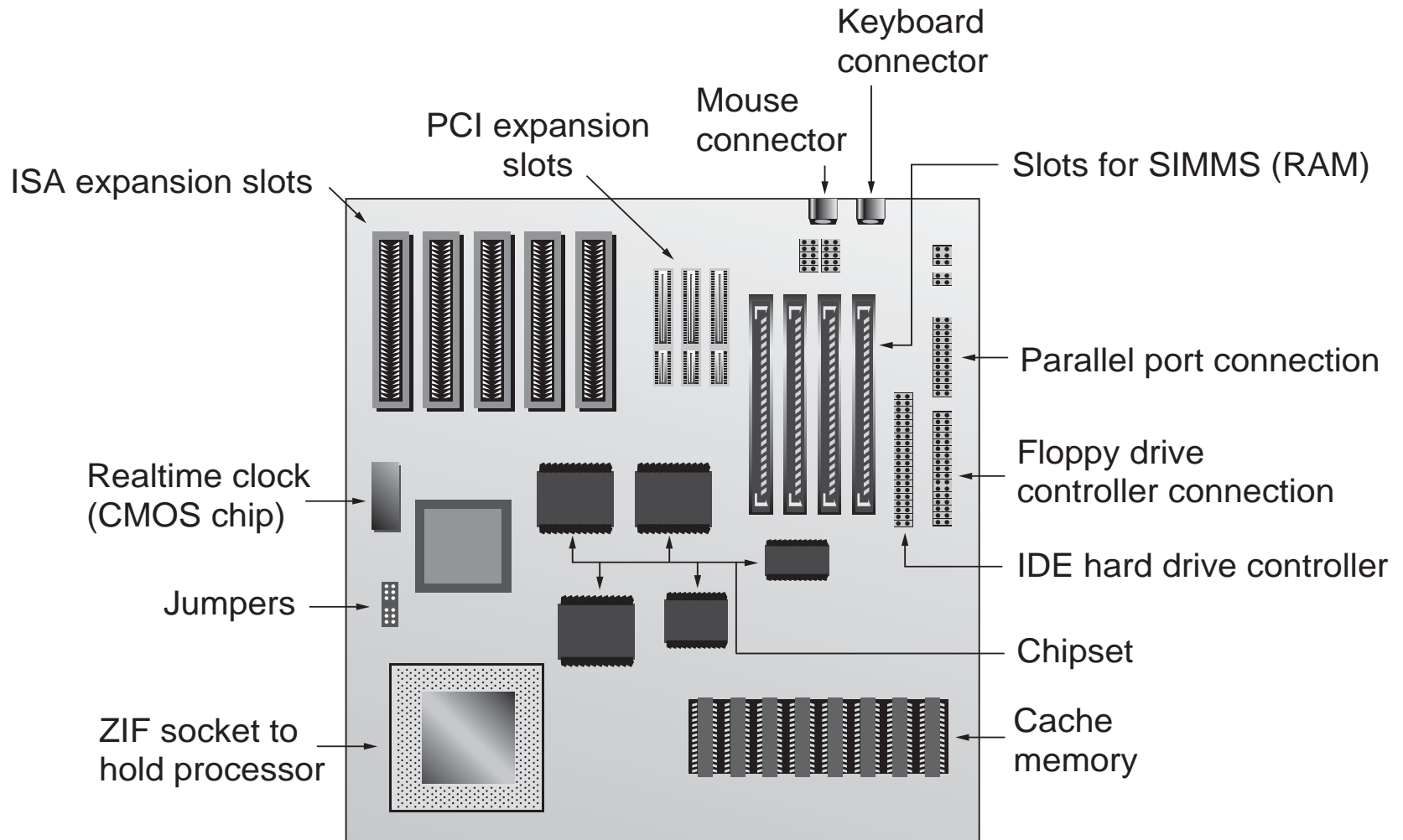
Circuit board

Rear of system


Power supply



Components on a System Board



Central Processing Unit-- Memory

 Brain of the computer

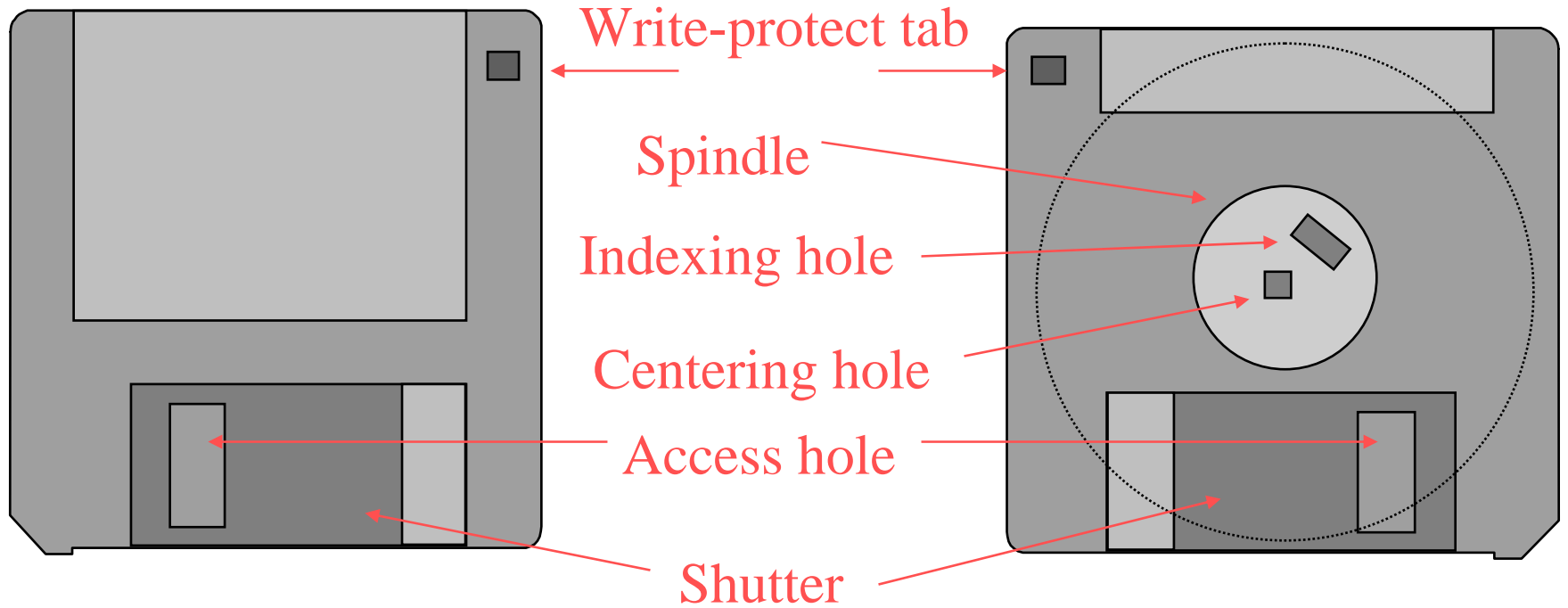
 Random Access Memory (RAM)

- Workspace of the computer
- Memory needs (256Mg +)
- Temporary (volatile)

 Cache Memory

- Stores frequently used RAM data
- RAM cache is faster than RAM proper
- Caching is useful for MS Windows 98, ME, & XP
- Cache may be found in video and printer memory

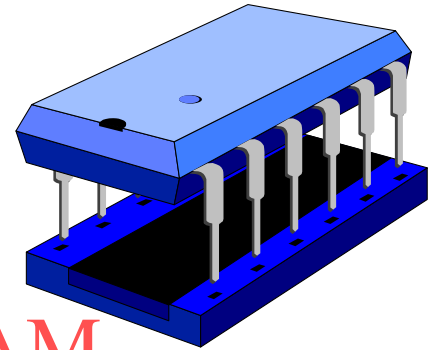
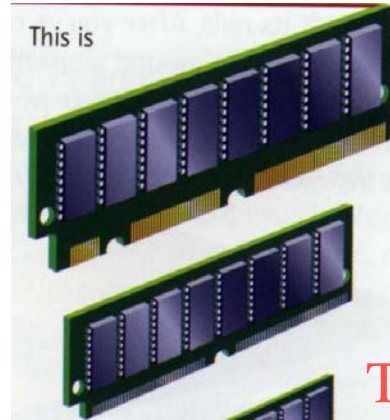
A Microfloppy 3 1/2-inch Disk



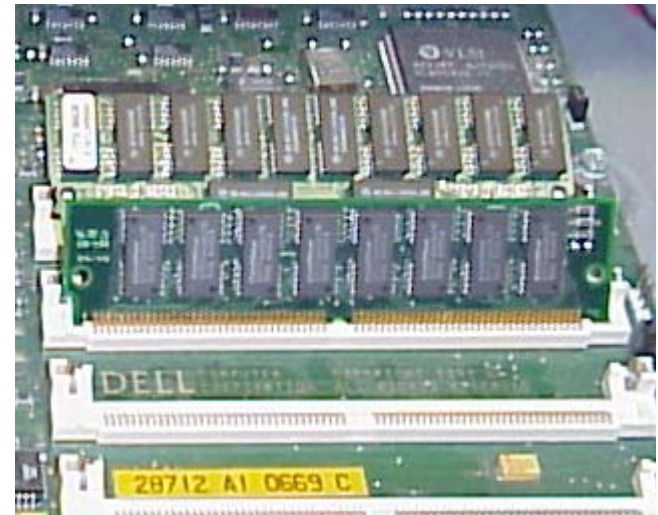
Storage vs. Memory



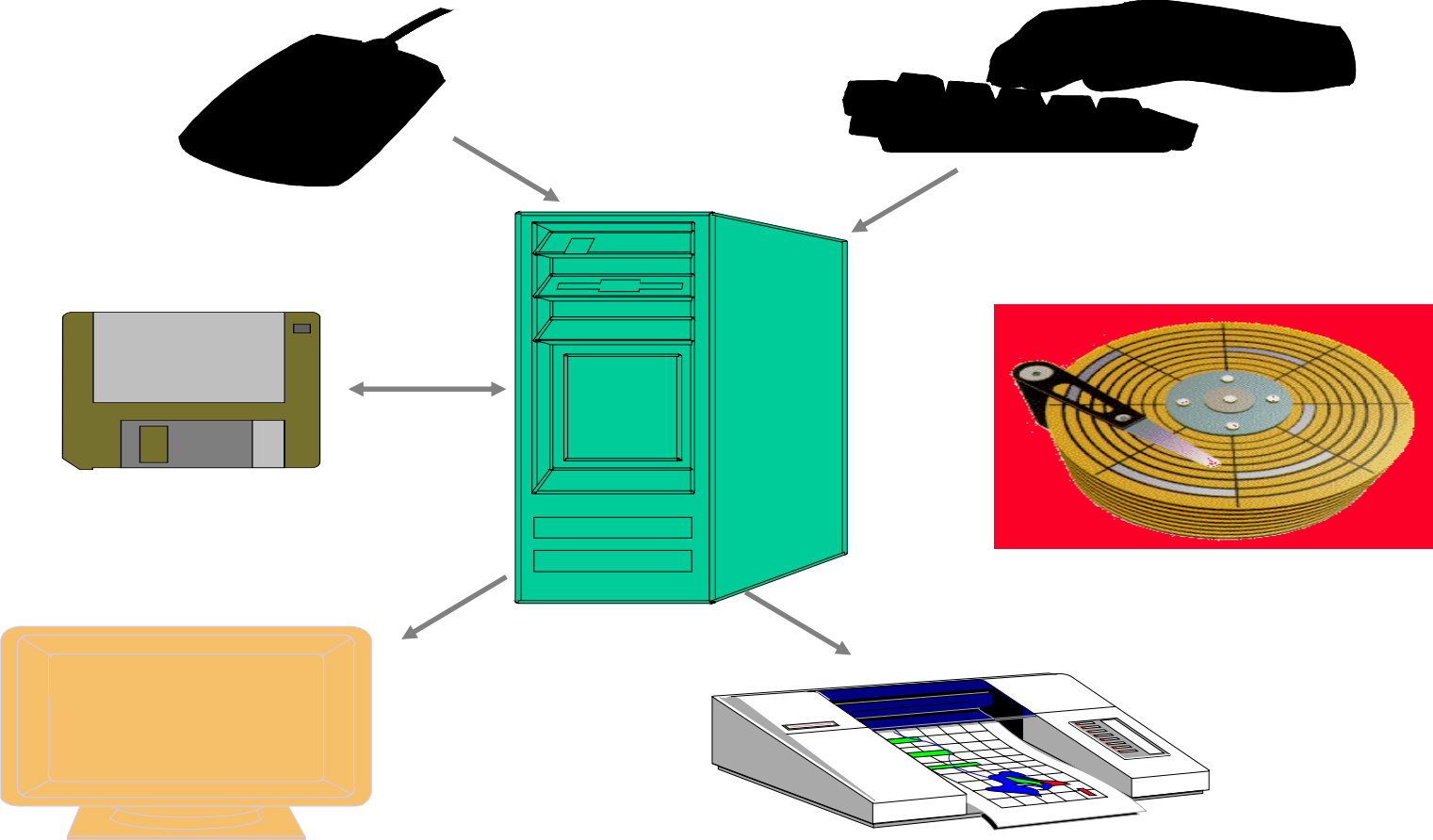
Hard Drive
Average size 20Gig
Permanent



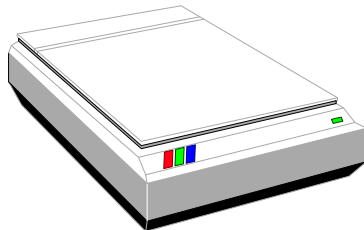
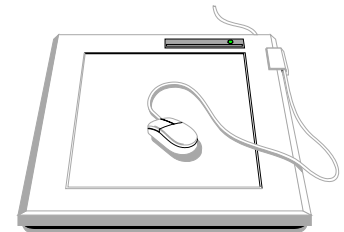
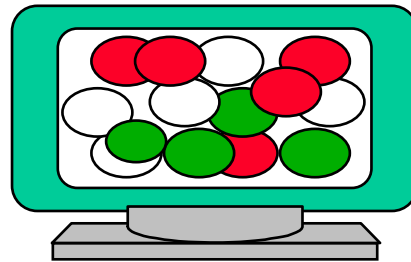
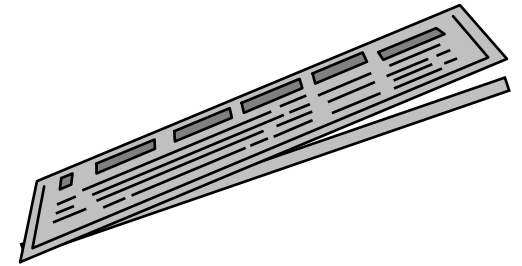
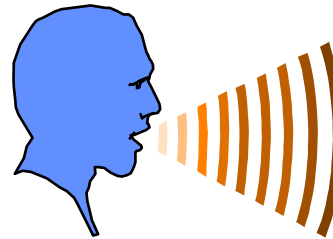
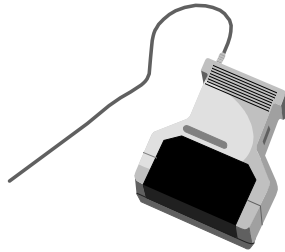
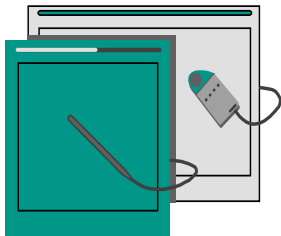
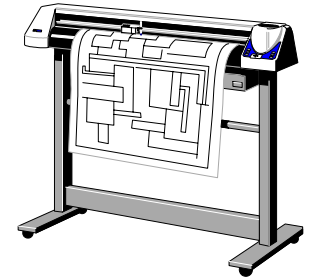
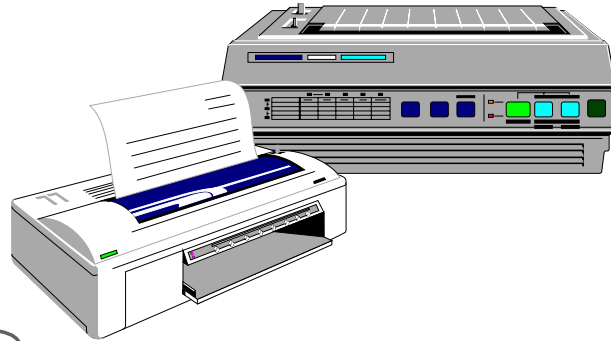
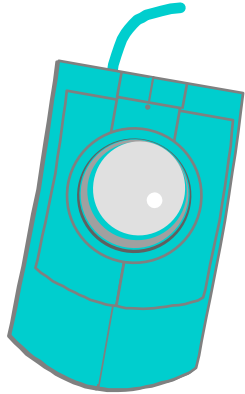
RAM
128 – 512Mg +
Temporary (volatile)



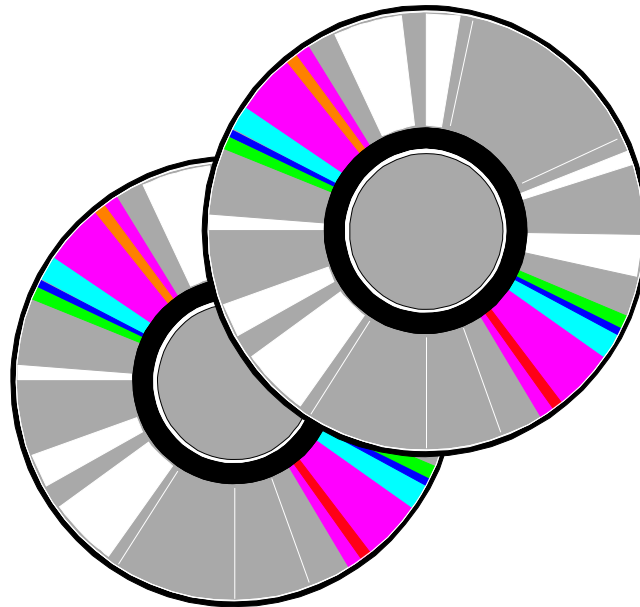
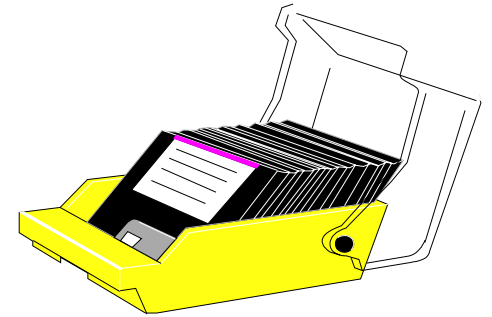
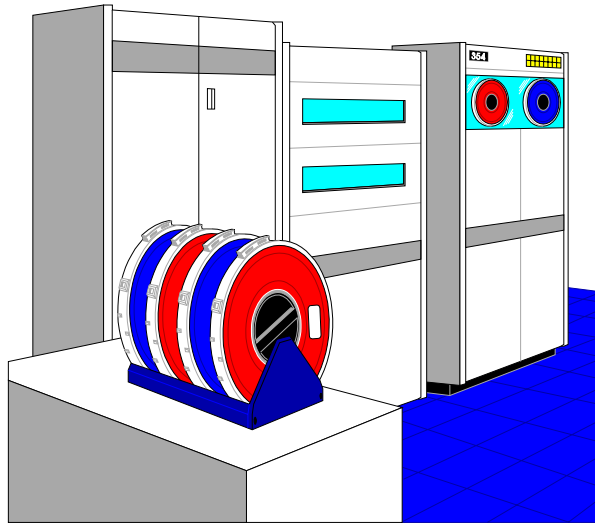
Data Bus - Motherboard









DEVICES / PERIPHERALS



Secondary Storage



Software

-  **Makes a computer useful**
-  **Step-by-step instructions to perform a task**
-  **Programs stored as files on disk**
-  **Loaded into RAM**
-  **Executed or run from RAM**
-  **Two categories of software**
 - 1** Application software
 - 2** System software

SOFTWARE - OPERATING SYSTEM

 INTERFACES

COMMAND LINE

GRAPHICAL USER -- GUI [GOOEY]

 THE OPERATING SYSTEM IS A SET
OF PROGRAMS.

Computer Applications

- ◆ Spreadsheets
- ◆ Word Processing
- ◆ Desktop Publishing
- ◆ Databases
- ◆ Telecommunications
- ◆ Graphics
- ◆ Animation










Why Windows

 Standard User Interface

 Multi-tasking

 Run more than one application at a time

Why Windows XP

-  Replace DOS and Windows
-  32-bit operating system
-  Faster and more robust
-  Supports Plug and Play
-  Object linking and embedding
-  Windows XP is docucentric
-  Points user to the Internet

Hardware Requirements for Windows XP

Recommended

- ✓ PentiumIII - 600 Mhz processor
- ✓ 256 MB RAM
- ✓ 512KB internal L2 cache
- ✓ At least 20 GB hard drive – at least 2GB free
- ✓ Super-VGA monitor with 32 MB of memory
- ✓ 48X CD-ROM
- ✓ 56K baud modem
- ✓ Sound card and speakers

