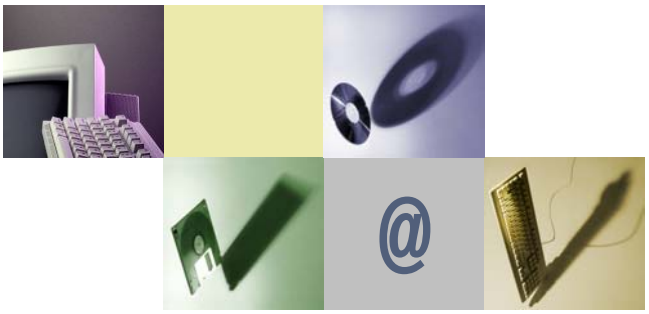
Inside PC

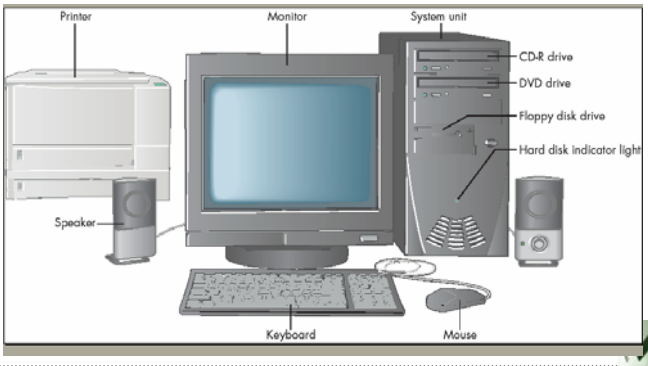


Digital Computer Concept and Practice

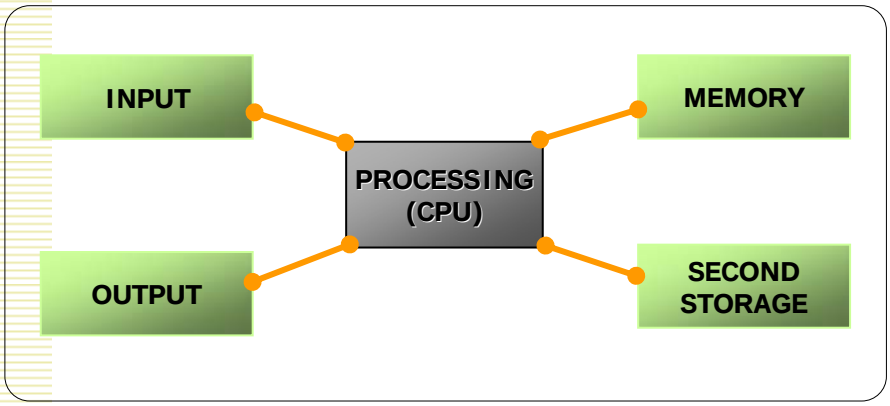
Sources: danawa.com, kbench.com, wikipedia.org

Computer

- A computer is an electronic device that can accept data (input), process the data according to specified rules (process), produce results (output), and store the results (storage) for future use

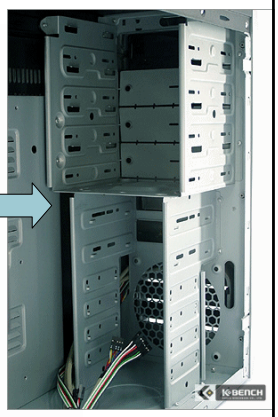


Basic Components



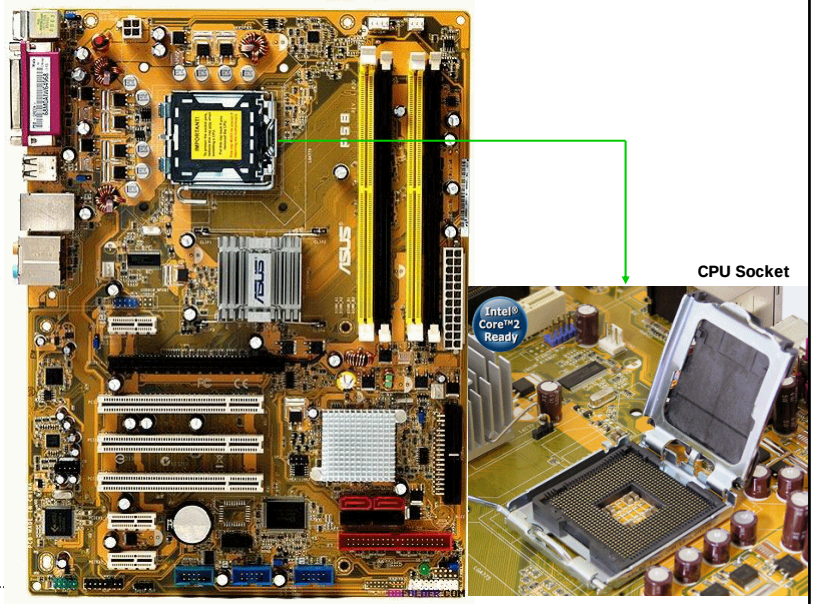
Desktop Case

Power Supply



5.25” bay
3.5” bay

Mainboard

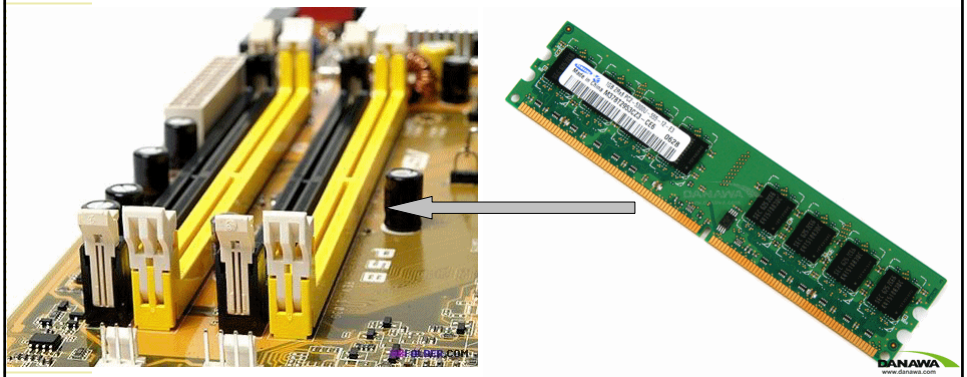


Intel CPUs

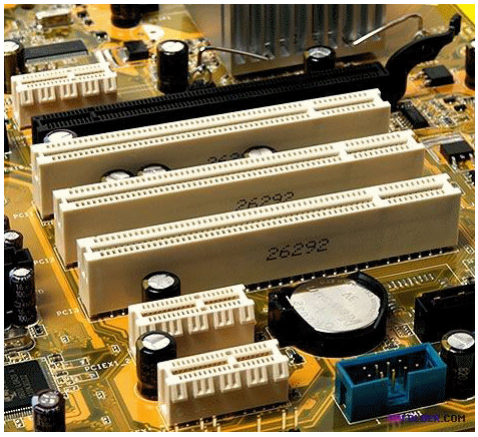
Pentium 4 (Socket 478)

Pentium 5 or later (Socket 775)

Memory

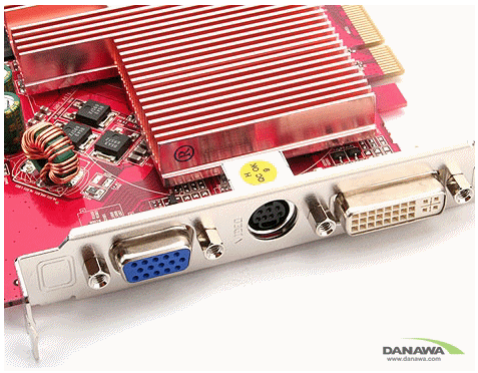


PCI Slots



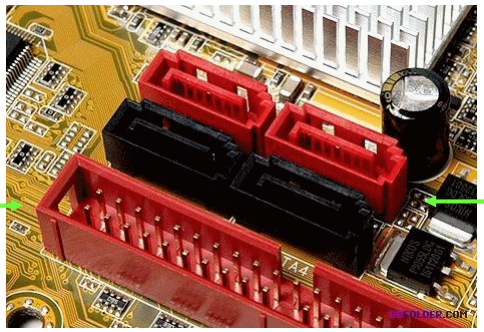
PCI
PCI Express

Video Card



D-SUB
DVI

Storage Connectors

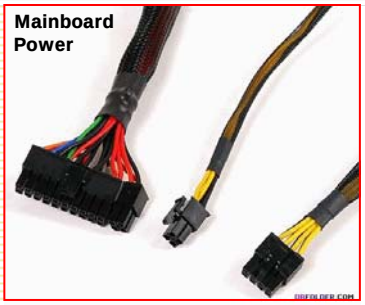


ATA (Advanced Technology Attachment) → PATA (Parallel ATA)
= IDE (Integrated Drive Electronics)
= ATAPI (AT Attachment Packet Interface)

SATA (Serial ATA)

Cables

Mainboard Power



IDE, FDD

Power Cable for Peripheral Equipments

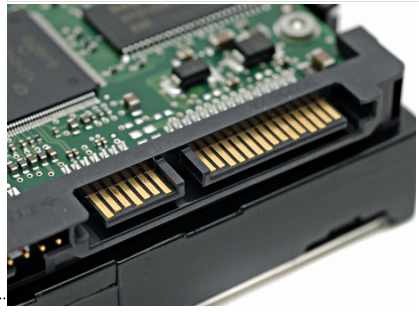
SATA Data

SATA Power

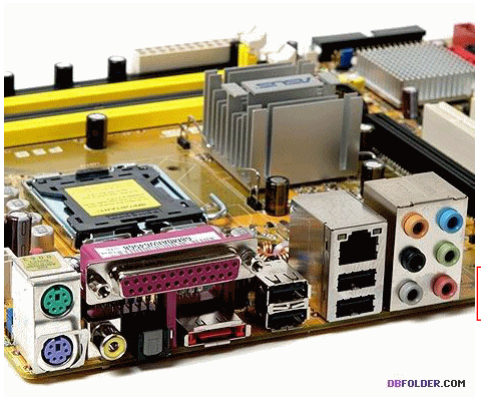
Hard Disks (HDD)

IDE

SATA

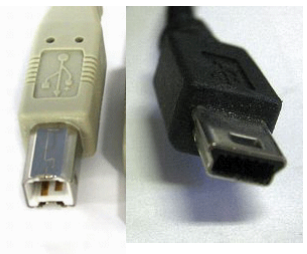


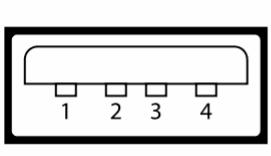
Input, Output Connectors

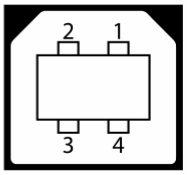
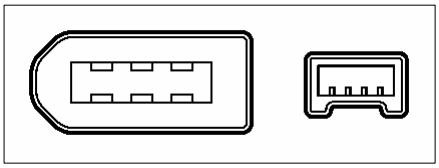
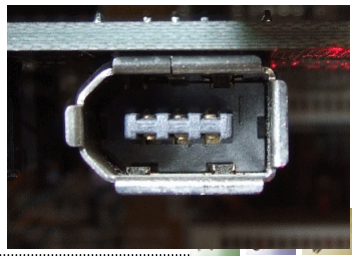


PS/2 (mouse, keyboard)
Parallel Port
USB
IEEE 1394 (FireWire)
LAN
Analog Sound In/Out
Digital Sound Signal Out

USB







IEEE 1394