

SYSTEM UNIT

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graph TD; SU[SYSTEM UNIT] --> P[Ports]; SU --> B[Bus]; SU --> E[Expansion Slots and Cards]; SU --> T[5 types]; SU --> M[Microprocessor (single chip in CPU)]; SU --> ME[Memory]; SU --> SB[System Board consist:]; SU --> NP[Numeric Presentation];
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Ports

- Standard ports
USB,HDMI,Ethernet,
Thunderbolt
- Specialized ports
eSATA,MIDI,mDP,VG
A,FireWire

Bus

System Bus

- ❖ Connect CPU to
memory

Expansion Bus

- ❖ Connect CPU to
other
components

Expansion Slots and Cards

- ✓ Graphic Cards(high quality 3D
graphics)
- ✓ Network Interface
Cards(connect device to
network via cable)
- ✓ Wireless Network
Cards(without cables)
- ✓ SD cards(expansion cards for
mobile devices)

5 types

- Tablet
- Smartphones
- Desktops
- Laptops
- Wearables

Microprocessor (single chip in CPU)

- Multicore Chips – multicore
processor – parallel
processing
- Speciality processor--
coprocessor

Memory

- RAM(can be read and changed)
- ROM(cannot be changed and will lost)
- Flash Memory(can be updated=RAM)
(non-volatile=ROM)

System Board consist:

- socket(hold the microprocessor)
- chips(mounted on chip carrier)
- slots(provide expansion
capabilities)
- bus lines(connecting line to
support communication)

Numeric Presentation

- Binary(0,1)
- Haxadecimal(0-9,A-F)
- Bytes(8 bits)
- ASCII,EBCDIC,UNICODE

Power Supply

- Desktop(in system unit)
- Laptops(AC adapter in system
unit)
- Tablet(internal AC adapter)
- Smartphones(wireless charging
platform)