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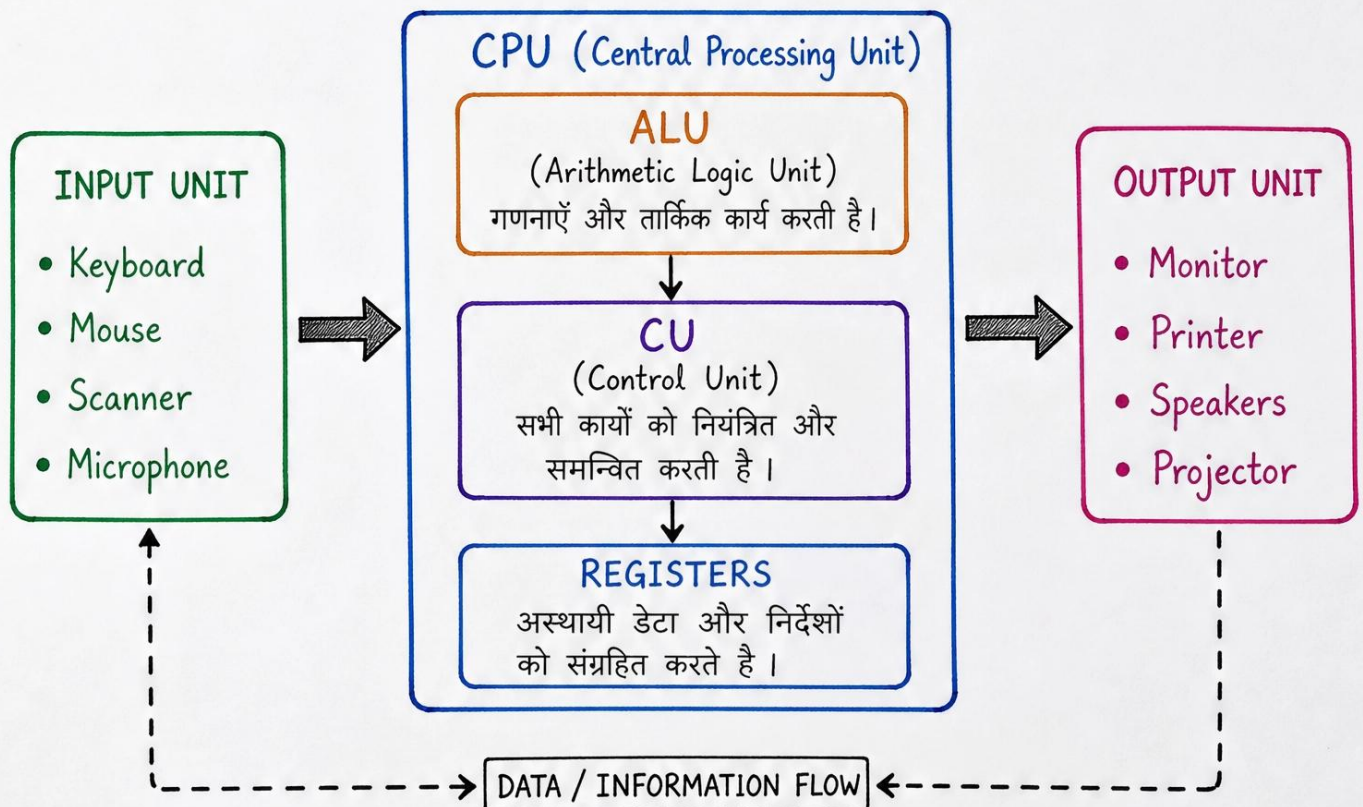
Computer Fundamental Notes



Unit 2: Components of Computer

1. Block Diagram of Computer

Computer ka basic structure Block Diagram ke dwara samjhaya jata hai. Isme **Input Unit**, **CPU**, aur **Output Unit** hote hain.



Note: Input Unit data ko CPU tak bhejti hai, CPU us par processing karta hai aur Output Unit ke माध्यम से परिणाम देता है।

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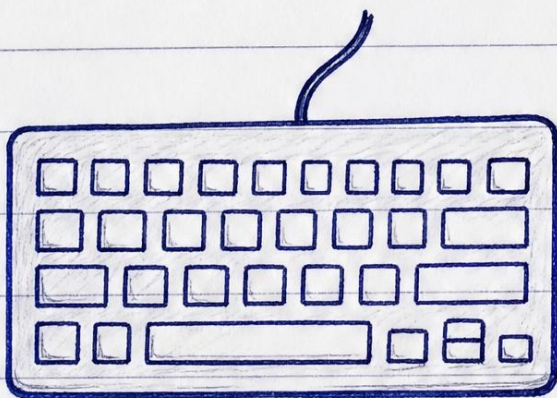
Computer Fundamental Notes

Unit 2: Components of Computer

2. Input Unit

Input Unit wo components hain jinke data computer me enter kiya jata hai.

Examples: Keyboard, Mouse, Scanner.



Keyboard



Mouse

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Unit 2: Components of Computer

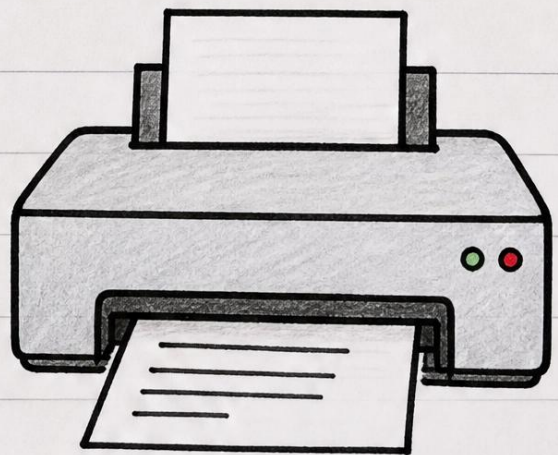
3. Output Unit

Output Unit computer se processed data ko user ko dikhane ke liye use hota hai.

Examples: Monitor, Printer, Speakers.



Monitor



Printer

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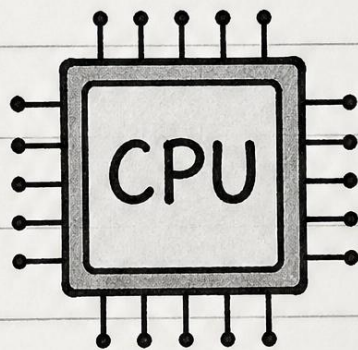
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Unit 2: Components of Computer

4. Processing Unit

Processing Unit computer ka 'Brain' होता है जो सभी calculations और logical operations perform करता है।

इसे CPU भी कहते हैं।



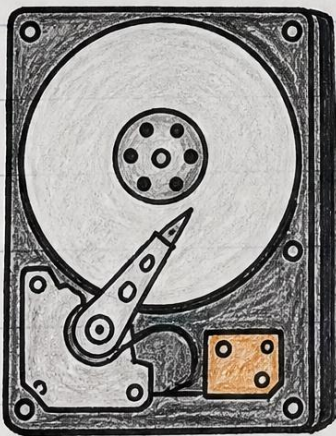
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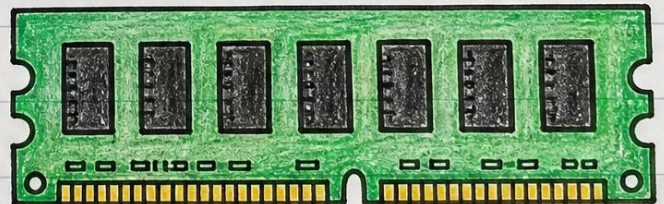
Unit 2: Components of Computer

5. Storage Unit

- Storage Unit data aur instructions ko permanently ya temporarily save karne ke liye hota hai.
- Types:
 - Primary Storage (RAM)
 - Secondary Storage (HDD, SSD)



HDD



RAM

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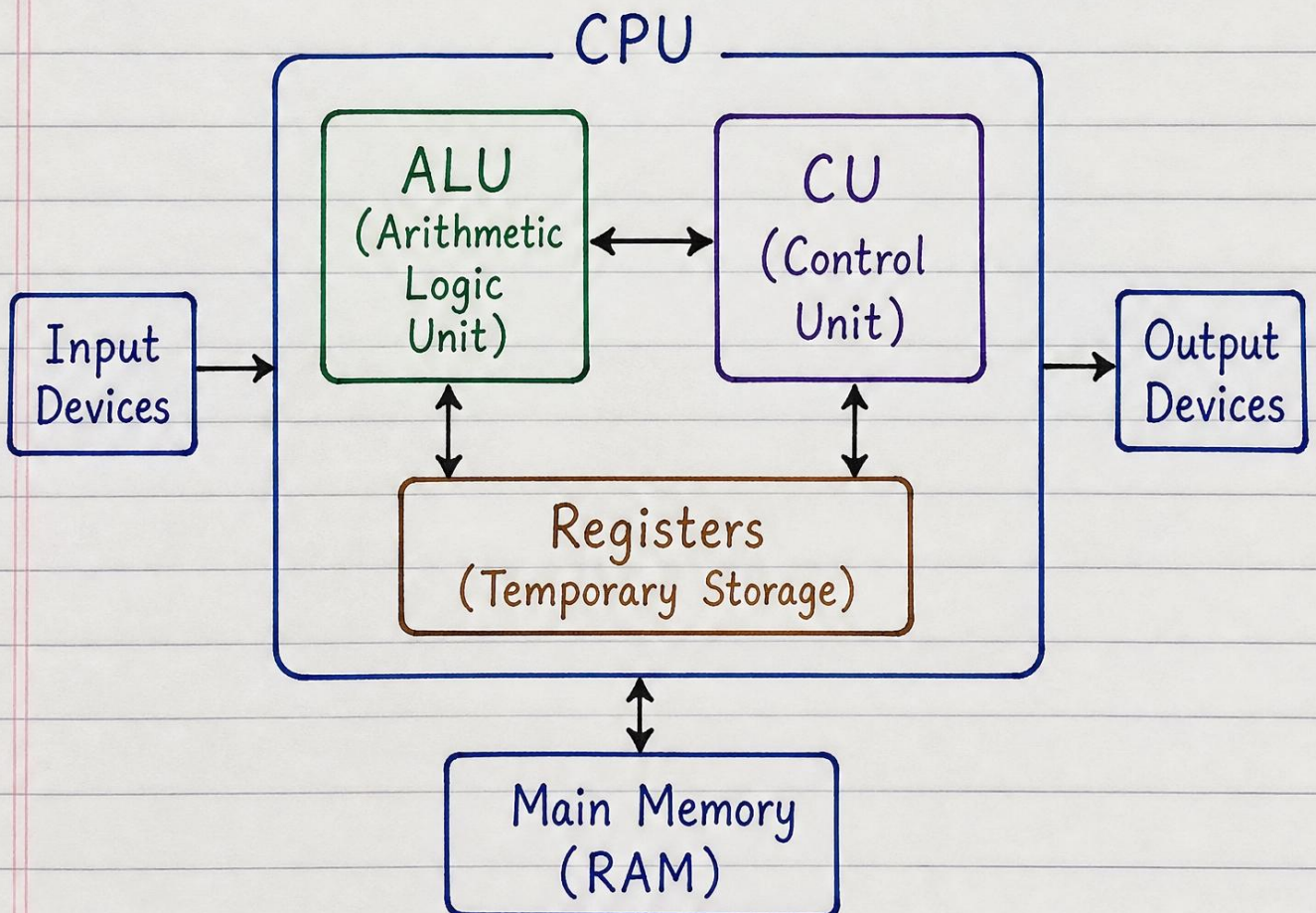
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6. CPU (Central Processing Unit)

CPU computer ka main part hai jo instructions ko execute karta hai.

Iske teen main components hain:

ALU, CU, aur Registers.



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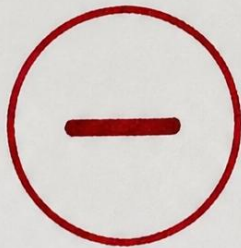
Unit 2: Components of Computer

7. ALU (Arithmetic Logic Unit)

- ALU saare mathematical (Add, Subtract) aur logical (AND, OR, NOT) operations karta hai.



Add



Subtract



Less Than



Greater Than

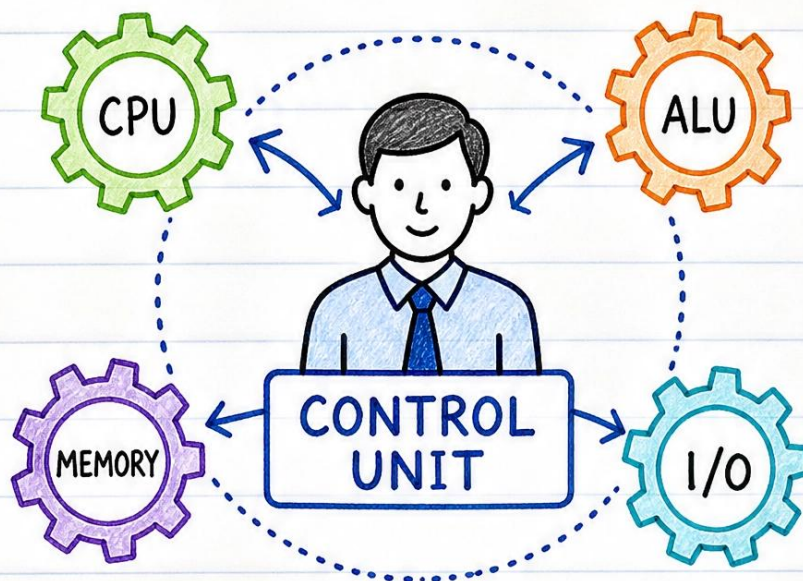
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Unit 2: Components of Computer

8. Control Unit.

- Control Unit computer ke saare components ke beech coordination banaye rakhta hai.
- Ye instructions ko fetch aur decode karta hai.



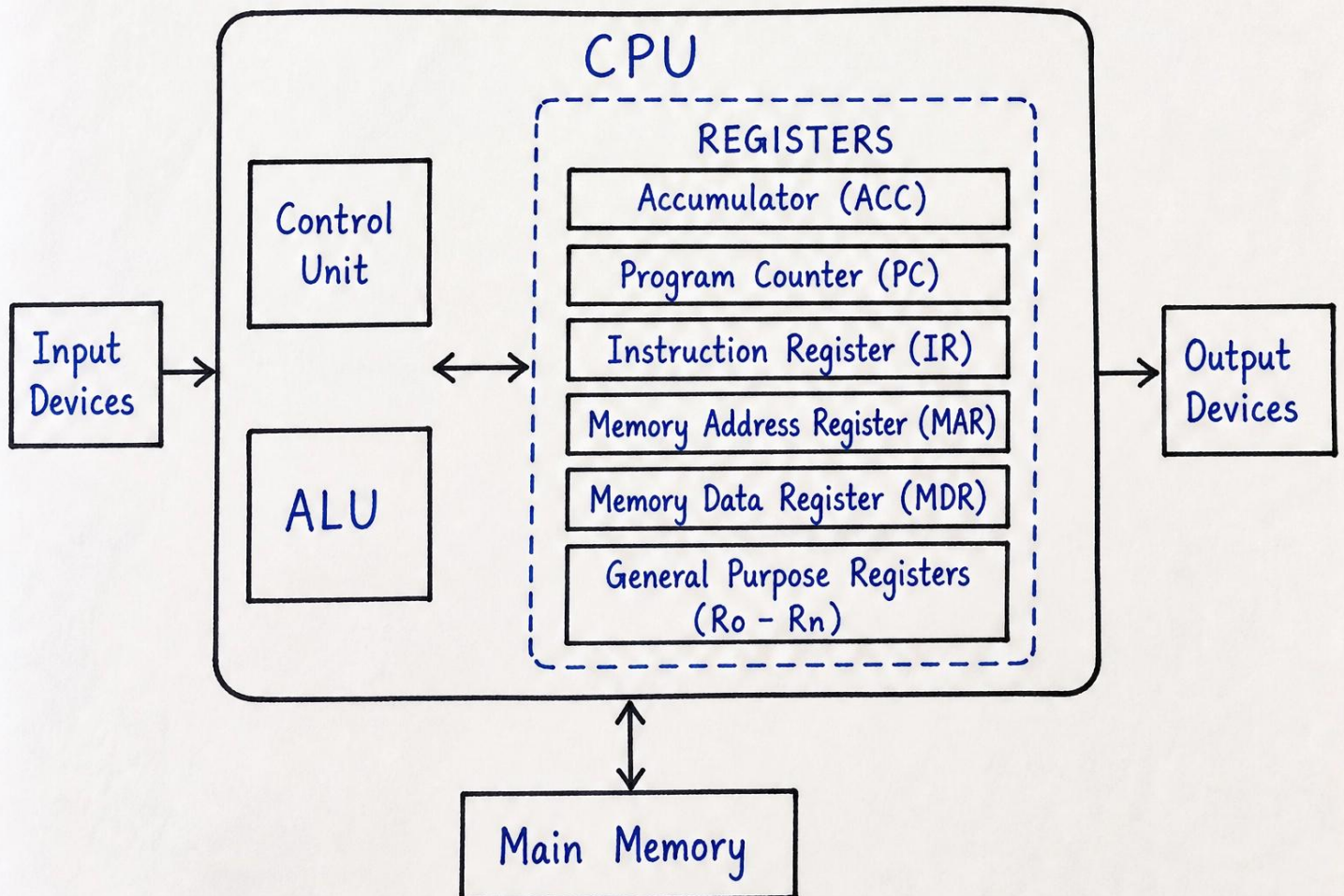
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Unit 2: Components of Computer

9. Registers

Registers CPU ke andar ki high-speed storage locations hoti hain jo temporary data hold karti hain.



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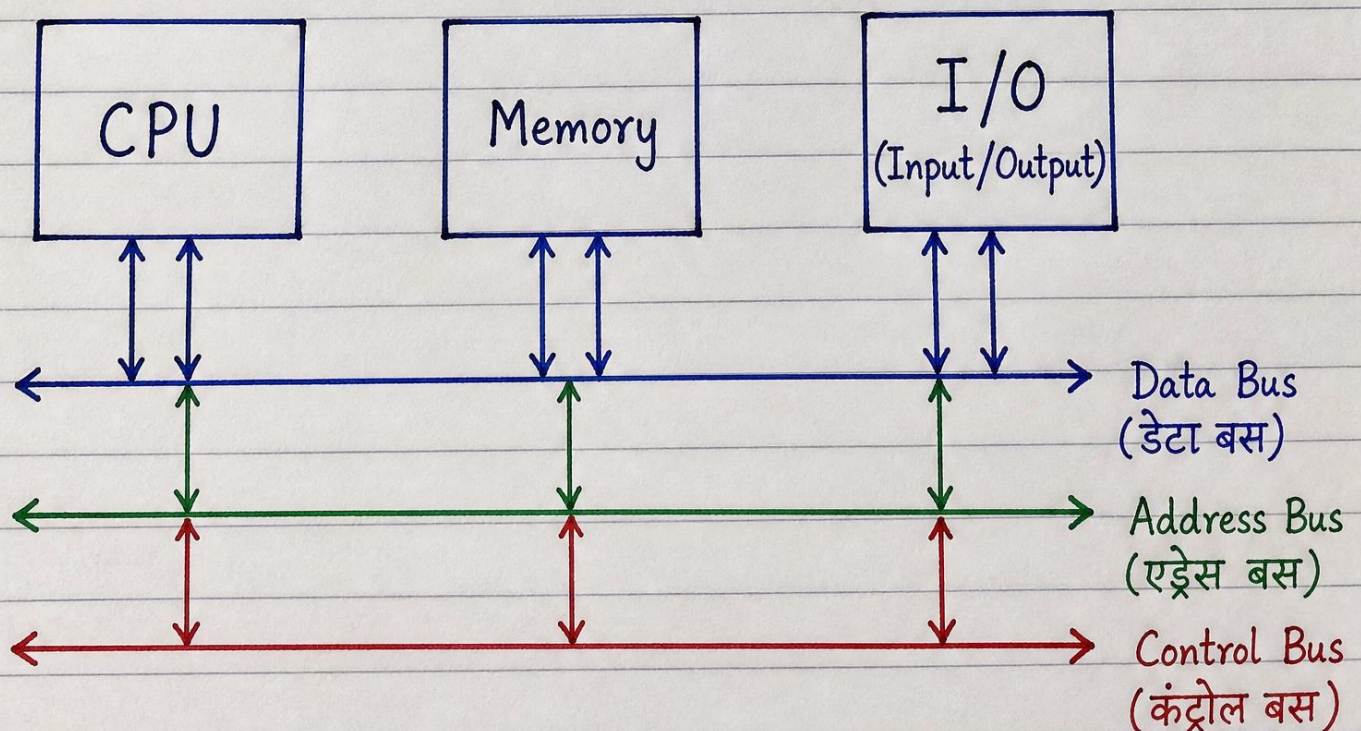
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10. System Bus

System Bus Computer ke components ke beech data transfer karne ka path hota hai.

Types:

1. Data Bus
2. Address Bus
3. Control Bus





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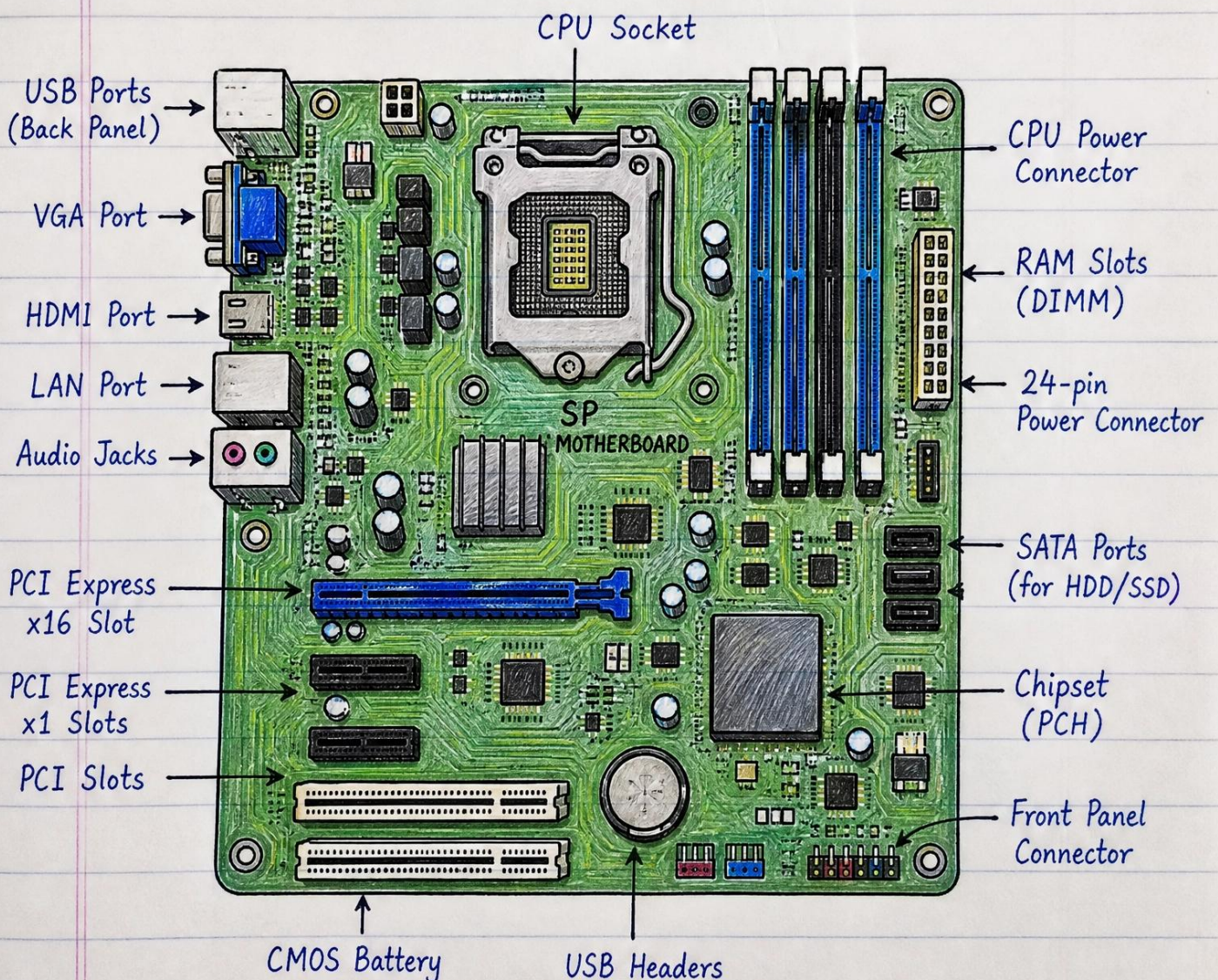


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Unit 2: Components of Computer

11. Motherboard

- ➔ Motherboard computer ka main circuit board hai jisme saare components jaise CPU, RAM connect hote hain.



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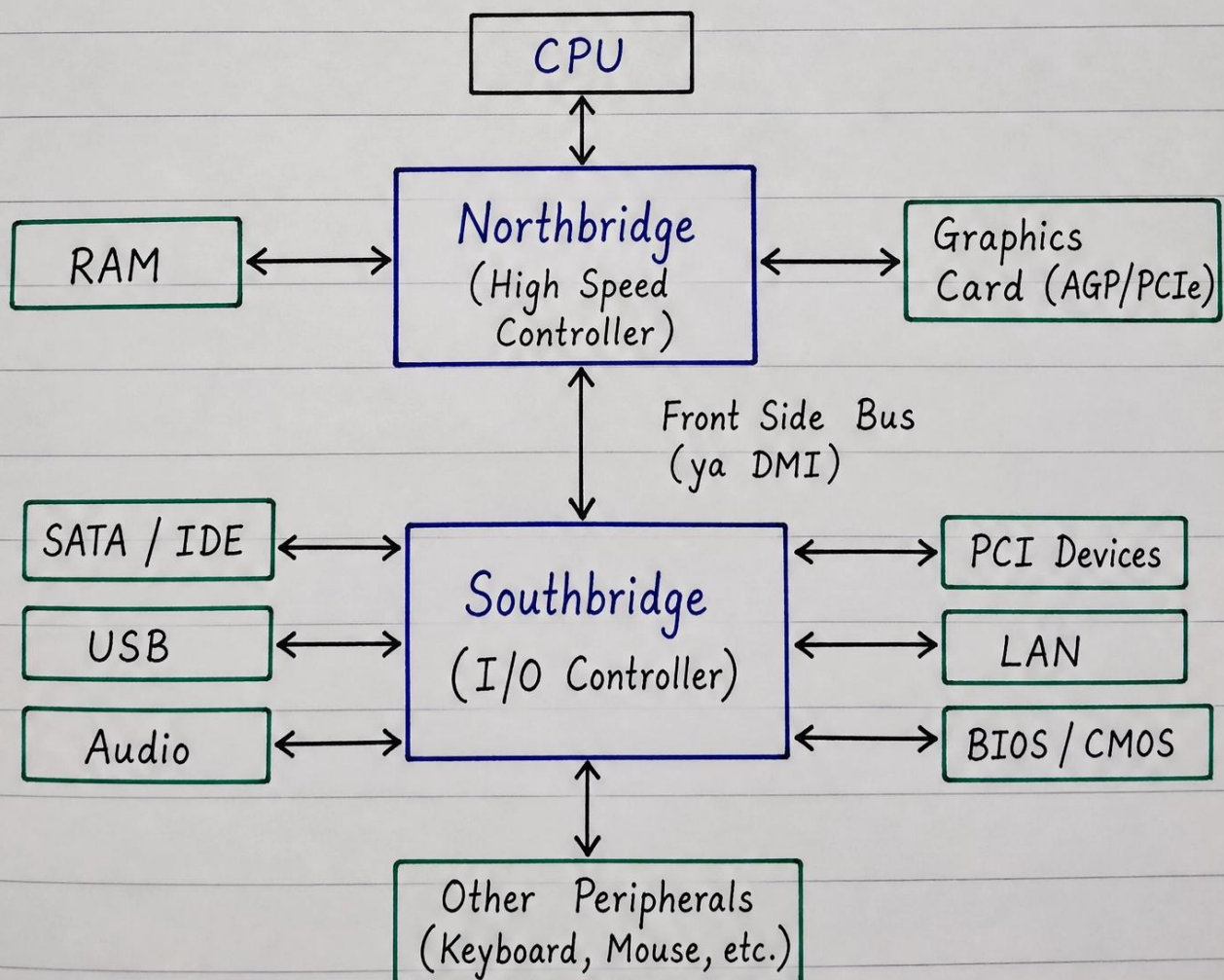
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Unit 2: Components of Computer

12. Chipset

Chipset motherboard par integrated circuits ka group hota hai jo CPU aur peripherals ke beech communication control karta hai.

Isme Northbridge aur Southbridge hote hain.



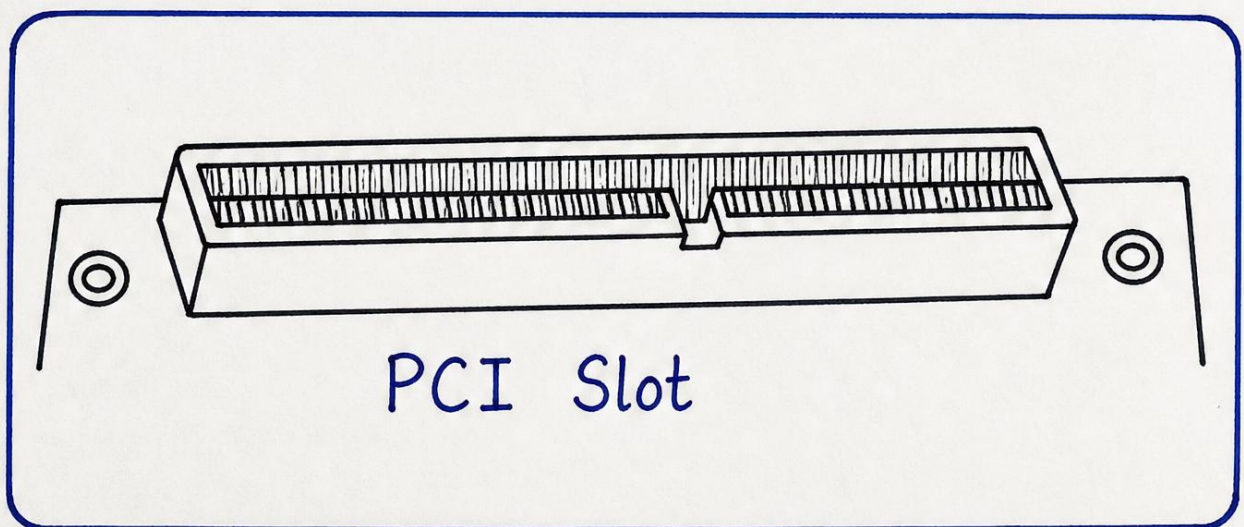
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Unit 2: Components of Computer

13. Expansion Slots

Expansion Slots motherboard par slots hote hain jisme extra cards jaise Graphics Card, Sound Card lagaye ja sakte hain.



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Unit 2 : Components of Computer

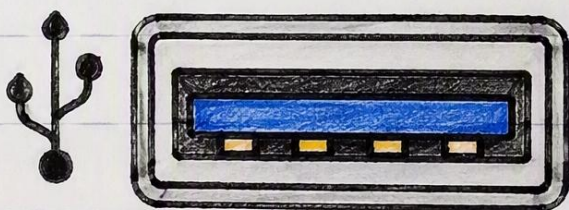
14. Ports and Connectors

Ports wo physical points hote hain jahan external devices connect ki jati hain.

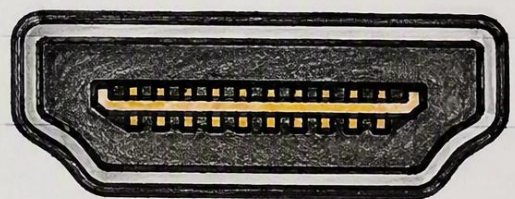
Examples:

USB Port , HDMI , VGA.

USB Port



HDMI Port



HDMI