

Fourth:

Motherboard

- The **motherboard** is the **main circuit board** in a computer. It connects **all parts of the computer together**, like the **CPU, RAM, storage, GPU**, and other components.
- The motherboard connects everything in your computer.
- It decides what parts you can use (CPU type, RAM size, etc.).
- A good motherboard gives better performance, more ports, and upgrade options
- **Uses of a motherboard:**

-Connects and powers the CPU, RAM, storage (SSD/HDD), GPU, and cooling systems.

-parts to communicate with each other.

-Provides ports for USB, HDMI, audio, and internet.

-Controls how data moves inside the computer.



- **Main Parts of a Motherboard:**

-CPU socket : it holds the CPU.

-RAM slots: they are where memory installed

- PCIe slots: they are for graphics, wifi cards , etc...

-SATA/M.2 ports: it connect SSDs andHHDs

-chipset: it helps how components communicate

-power connectors: it supply electricity to the board and components

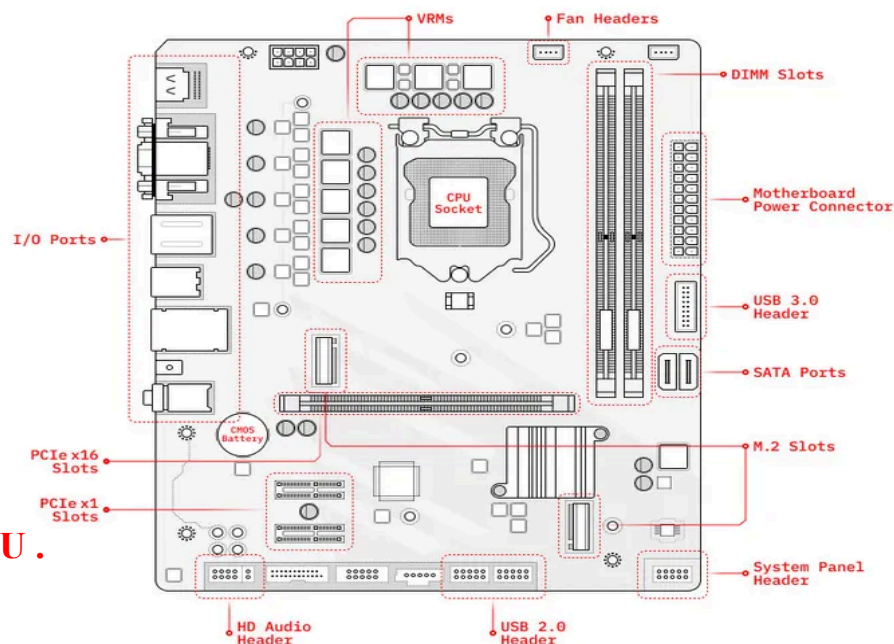
-I/O ports: USB,HDMI,audio, LAN ports

- **Types of motherboards:**

<u>TYPE</u>	SIZE	USE
ATX	standard	Full-sized desktops
Micro-ATX	smaller	Mid-sized PCs
Mini-ITX	Very small	Compact and mini PCs

- This is an [image of a motherboard](#)

- This is an image indicates the components of a computer



THANK YOU .