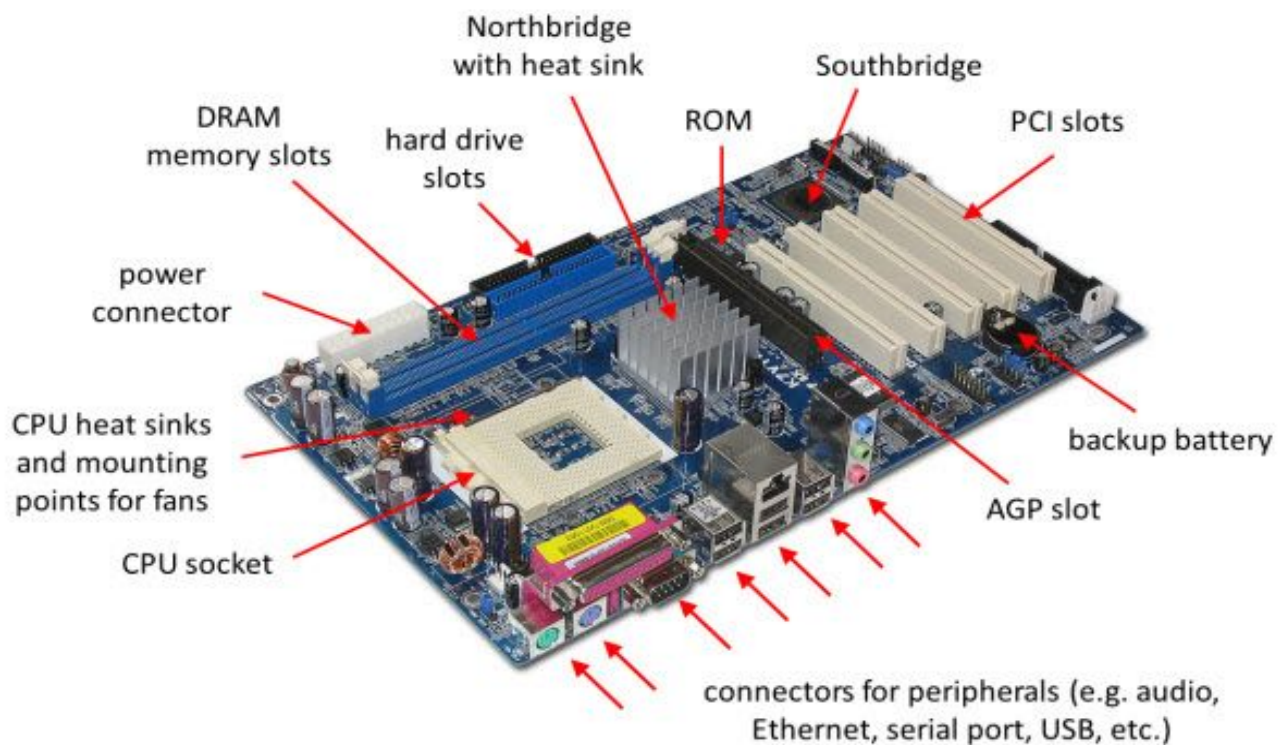


Motherboard Components — Labeled Diagram with Component Descriptions



Component	Description / Function
CPU Socket	Holds the processor and provides the electrical interface for execution.
DRAM (RAM) Slots	Hold memory modules used for fast, temporary data storage.
Power Connector	Supplies electrical power from the power supply to the motherboard.
PCI Slots	Allow installation of expansion cards such as network or sound cards.
AGP Slot	Legacy graphics expansion slot used for older video cards.
Northbridge (with heatsink)	Manages communication between the CPU, RAM, and graphics interface.
Southbridge	Handles I/O functions such as USB, SATA, and peripheral communication.
ROM / BIOS Chip	Stores firmware used to initialize hardware during system startup.
Backup (CMOS) Battery	Maintains BIOS settings and system clock when the system is powered off.
Peripheral Connectors	External ports for devices such as USB, audio, Ethernet, and serial connections.

Image source: Educational motherboard diagram (commonly used instructional reference).