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Unit 1 Computer HardwareUnit 2 Computer SoftwareUnit 3 Operating SystemUnit 4 Programming LanguagesUnit 5 DatabaseUnit 6 Computer NetworksUnit 7 Network Security Unit 8 The Internet

The term mainboard is applied to devices with a single board and no additional expansions or capability.In modern terms this would include embedded systems   and controlling boards in televisions   washing machines   etc. A motherboard specifically refers to a printed circuit with the capability to add/extend its performance/capabilities with the addition of "daughterboards".   Most computer motherboards produced today are designed for IBM-compatible computers   which currently account for around 90% of global PC sales. A motherboard   like a backplane   provides the electrical connections by which the other components of the system communicate   but unlike a backplane   it also hosts the central processing unit   and other subsystems and devices.   A typical desktop computer has its microprocessor   main memory   and other essential components on the motherboard. Other components such as external storage   controllers for video display and sound   and peripheral devices may be attached to the motherboard as plug-in cards or via cables   although in modern computers it is increasingly common to integrate some of these peripherals into the motherboard itself.

An important component of a motherboard is the microprocessor's supporting chipset   which provides the supporting interfaces between the CPU and the various buses and external components. This chipset determines to an extent   the features and capabilities of the motherboard.   ……

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