

План конспект урока

- СОСТАВНЫЕ ЧАСТИ КОМПЬЮТЕРА
 - COMPOSITE COMPUTER COMPONENTS

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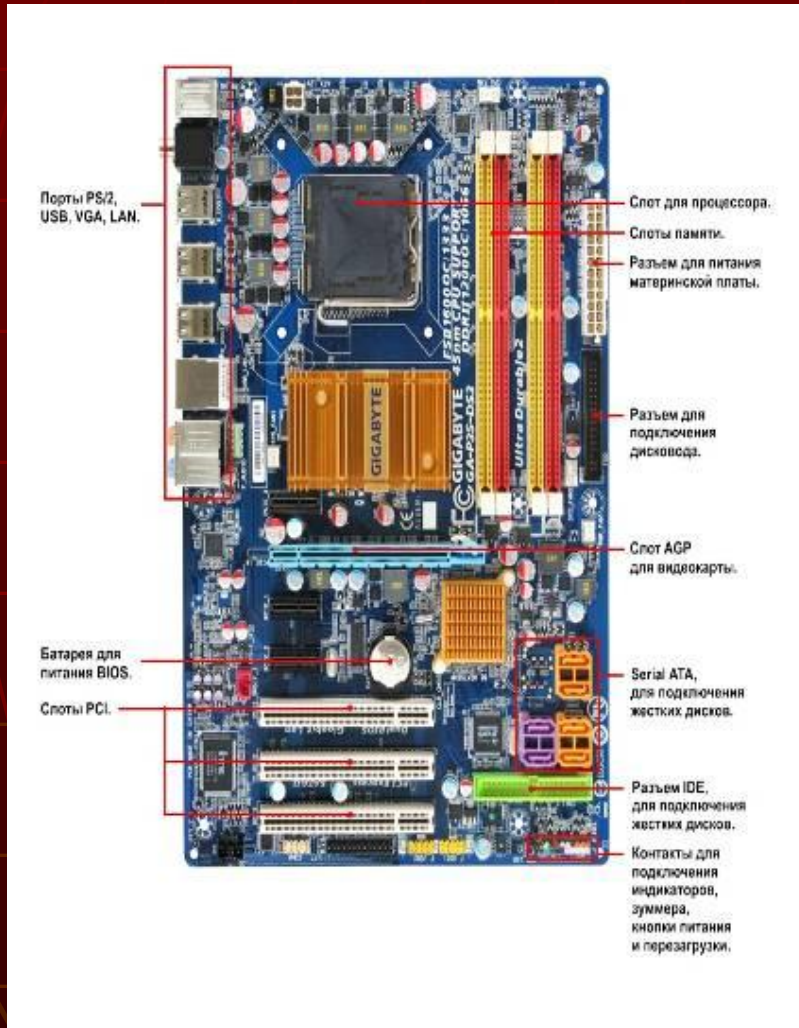


Основные модули *компьютера:* The main computer modules



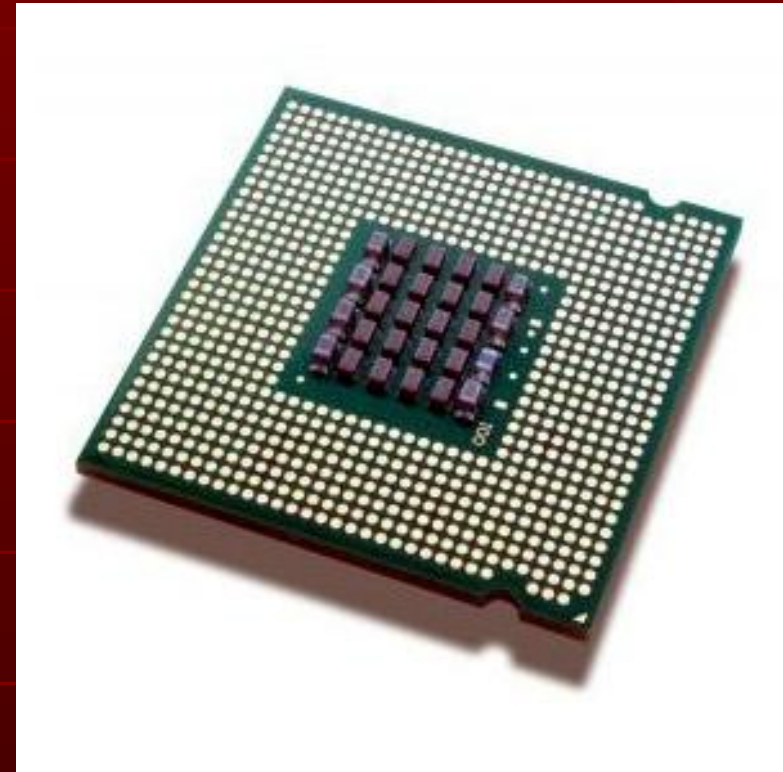
- **The system unit is the main part of the computer, where all the computing processes occur. The system unit is quite complex and consists of various components.**

Устройство системного блока: Device of the system unit



- The motherboard is the main part of the system unit to which all devices of the system unit are connected. Through the motherboard there is a communication between the devices of the system unit, information exchange and power supply. The faster the bus (communication channels of devices) of the motherboard, the faster the communication of devices among themselves, the faster works the computer.

- **The processor is the brain of the system unit, performs logical operations. From its speed, frequency in many ways depends on the speed of the computer and its entire architecture.**





- **RAM - memory for temporary storage of data in the computer, is used only when the computer is running. The speed of the computer depends on the amount and the speed of RAM.**



- **Hard disk - serves for long-term storage of information, it contains the programs necessary for the operation of the computer (Windows, Office, Internet Explorer.) And user files (Mail files, if you use the mail client, video, music, pictures.).**

A video card is a board inside the system unit, intended for communication between the system unit and the monitor, transfers the image to the monitor and takes some of the calculations for itself to prepare an image for the monitor. The video quality depends on the video card. The video card has its own built-in memory and its processor for image processing. The higher the frequency of the video card processor and the more memory the video card has, the more steep (later released) games you can play on your computer.



- **Sound Card is designed to prepare sound signals reproduced by speakers.**
- **A sound card is usually built into the motherboard, but it can also be structurally separated and connected via a bus.**





- **A network card is a card, a device, installed on the motherboard or integrated into it. A network card is used to connect a computer to other computers over a local network or to connect to the Internet.**

- **CD / DVD-ROM - a device for reading / writing CDs, CDs, DVDs. These devices differ in the speed of reading or writing information, as well as the ability to read / write various media. Now it is difficult to meet on sale, anything other than omnivorous CD-ROMs. Modern CD-ROMs are able to read and write both CDs and DVDs of various capacities.**



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- **Disk drive is a device designed to read / write information on floppy disks. In modern computers is rarely installed.**
- **In stead of disk drives in modern computers, a card reader is installed.**



- **The card reader is a device for reading / writing information on memory cards. Card readers differ in speed characteristics of reading / writing information. The card readers can be integrated into the system unit or structurally independent, connected to the system unit via a USB port.**



- **Computer ports are connectors on the system unit that are used to connect peripheral devices, manipulator devices and display devices. We will not talk in detail about the connectors, just list some of them: USB, VGA, Power connector, COM port, Ethernet port, Standard connector for audio output, etc.**



- **Блок питания** – блок, который питает все устройства внутри компьютера. Блоки питания отличаются по мощности. Чем мощнее блок питания, тем больше устройств вы сможете подключить внутри системного блока.
- **Кулеры** – вентиляторы, предназначенные для воздушного охлаждения. Обычно кулеры установлены внутри блока питания, на процессоре, на видеокарте. Дополнительный кулер может быть установлен на системном блоке, для охлаждения всего блока.
- **Радиаторы** – металлические пластины, устанавливаются для отвода тепла с процессоров в системном блоке. Обычно радиаторы охлаждаются кулерами, но не всегда.

Основные периферийные устройства ПК: Primary Computer Peripherals

- Струйный принтер. Jet printer.
- Лазерный принтер. Laser printer
- Сканер. Scanner

- **Inkjet printers print on paper with the help of paint, which is taken from the cartridges. Printers can be equipped with a different number of cartridges, it all depends on the model. Inkjet printers, as a rule, are colored. There are inkjet printers that can print photos. Some photo printers can be connected to the camera / phone directly, bypassing the computer. The disadvantage of inkjet printers is expensive printing, ink from paper is usually washed off with water.**



- **Laser printers can be colour and black and white. Laser printers are printed with a laser beam. The laser beam bakes on paper toner, which gets from the cartridge to the paper. Laser printers are distinguished by the speed of printing, the number of sheets printed per minute. Typically, laser printers stand in offices, because have a high printing speed and not expensive at the cost of a printed sheet. Like inkjet printers, laser printers have cartridges. These cartridges are filled with toner (powder).**



- **Scanner** - a device for scanning documents, photos and even photo negatives. The most common type of scanner - a tablet. Different scanners have different scanning speeds. Also, scanners can be divided by the extension that they support when scanning. Some scanners install a special device for scanning negatives. The scanner is usually connected to the computer via a USB port.



Средства манипулирования:



- **Keyboard and mouse, these are the main means of manipulation, computer management. Also, to the means of manipulation can be attributed various joysticks, rudders with pedals, steering wheels, but they are designed primarily to control the gameplay. Here it can be noted that not all released games can correctly use or even use this or that game manipulator.**

Презентация

- Составные части компьютера
- Computer components
- Автор: преподаватель английского языка
- Лахмаков В.Л.