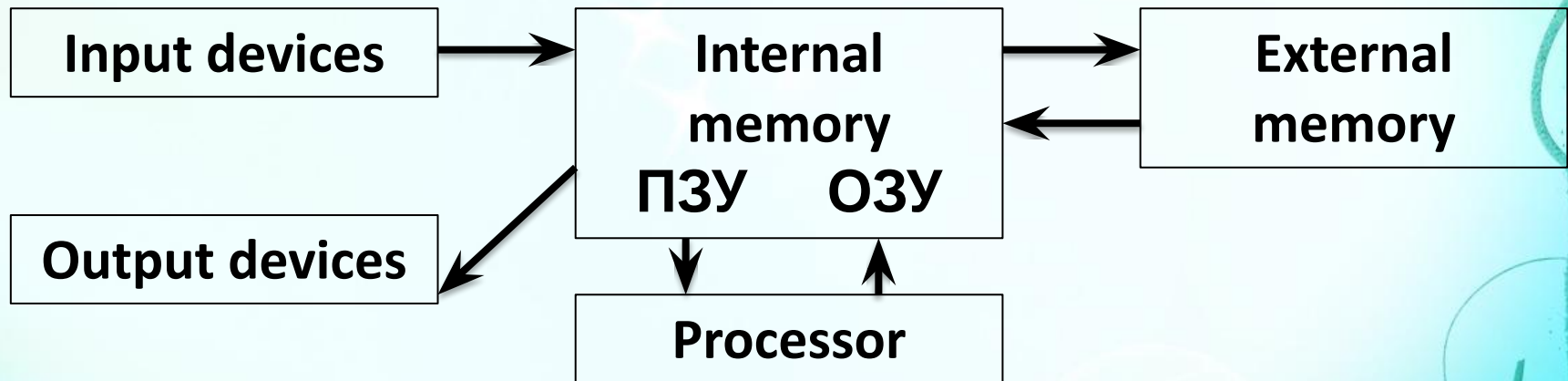


# Topic: «Computer and its functions»



**A computer-** is a universal electronic software-controlled device designed for automatic processing, storage and transmission of information

Functional diagram of the computer



**John von Neumann, 1946 г.**

processor

RAM

INFORMATION  
INPUT/OUTPUT  
DEVICES

LONG-TERM  
MEMORY



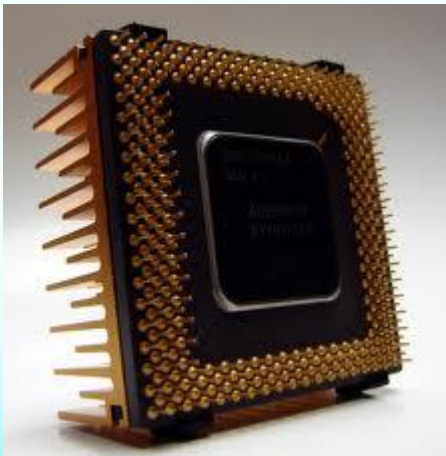
# System unit

A computer element that is designed to hide the internal elements of a computer system from the environment. That is, the main purpose of the system unit is to protect internal microcircuits from environmental factors such as dust and temperature.



# Processor

The main working component of a computer that:  
-performs arithmetic and logical operations; -manages the computing process; -coordinates the operation of all computer devices.



# System board

The main hardware component of the computer is the motherboard. The information exchange backbone is implemented on the motherboard, there are connectors for installing the processor and RAM, as well as slots for installing external device controllers.



# Information input devices

Input devices are devices that translate information from human language into machine language.



# Keyboard

A device for entering numeric and textual information.

The standard keyboard contains 104 keys:

- 1) a set of alphanumeric keys;
- 2) additionally control and function keys;
- 3) cursor control keys;
- 4) a small numeric keypad.





# Mouse

A special manipulator, which is one of the devices for entering information into a PC. Designed for entering graphical information and for working with the graphical interface.



# Scanner

A scanner is used for optical input into a computer and conversion into a computer form of images (photographs, drawings, slides), as well as text documents.



# Information output devices

These are devices that translate information from machine language into forms accessible to human perception.



# Screen

A device for displaying graphical and textual information in a form accessible to the user. Monitors are a visual communication channel with all application programs and have become a vital component in determining the overall quality and usability of the entire computer system.



# Printer

A device for displaying text or graphic information on various hard media. It is a complex electromechanical device that provides image formation, carrier promotion, dye supply and its fixation on the carrier.



# Speakers and headphones

**Devices for the output of audio information.**



Thanks for your attention!!!

