

NUR AFRICA ACADEMY



CENTER OF WISDOM

What is computer

- A **computer** is an electronic device that manipulates information, or "data." It has the ability to **store**, **retrieve**, and **process** data. You can use a computer to type documents, send email, and browse the internet.



- **Operations performed by a Computer**
- A computer can perform seven types of operations, all involving data. They are input, output, storage, retrieval, sending, receiving and processing.
- **Input :** is the action of getting data to the computer. The commonest method of input is via keyboard and mouse.



- **Processing:** is what the computer does to the data. Processing includes sorting, selecting, combining, and rearranging data, as well as doing calculations using logical operations on data. CPU is a processing device.



- **Output:** is the action of getting data out of a computer. Monitor and Printer are the common devices used to display the processed result.



- **Storage:** is the action of making permanent copy of data that the computer can use again later. There are different options of storing data. (Magnetic disk, Optical disk, Flash, etc.)



- **Retrieval:**
- Retrieval is the action of reading data back from the magnetic disk on which it has been stored.
- **Sending**
- Sending is a process of transferring data or information to another computer. The other computer may be in the same building, or hundreds of kilometers away. This is done on computers connected with network.
- **Receiving**
- Receiving is accepting data sent by another computer.

Types of computer cables

- **VGA**
- Analog VGA interface was created in the late 1980's and until now remains a standard way for connection between a computer and monitor. VGA consists of 15 contacts arranged in three rows



- **Parallel ATA (IDE)**
- Parallel ATA (PATA) cables are used for the connection of storage devices such as hard disks, solid-state drives, and CD-ROM drives to the computer's motherboard. The Parallel ATA cable is a ribbon



- **USB**
- Today it is the most popular standard for connecting various peripheral devices to a computer. Using USB you can connect almost everything to your computer.

