

Important concepts of computer

Keyboard Keys



1. **Alpha Numeric** – A to Z, 0-9
2. **Function Keys** – F1 to F12
3. **Modifier Keys** – Ctrl, Alt, Shift
4. **Cursor Keys** – Home, Page up, Page Down, Insert, Tab, Backspace, Delete, Enter, Space Bar
5. **Toggle Keys** – Lock Key, Caps Lock, Scroll
6. **Special Keys** – Esc, Print Screen, Window

Types of Computer Montors

1. **CRT (Cathode Ray Tube)** : These monitors are highly reliable and efficient, and are capable of generating a resolution of up to 2048 x 1536 pixels, thereby providing a clear picture
2. **LCD (Liquid Crystal Display)** : Liquid crystal display, also known as liquid crystal diode. These monitors are compact, lightweight, and do not consume much desk space
3. **LED (Light-Emitting Diodes)** : LED monitors are said to use much lesser power than CRT and LCD.

4 Popular type Mouse Devices

1. **Mechanical Mouse:** The ball mouse was the first type of mouse created and this device is integrated with a metal or rubber ball which spin in all directions
2. **Trackball Mouse:** The trackball mouse is a pointing device consisting of a ball held by a socket containing sensors to detect the rotation of the ball.
3. **Optical Mouse:** Unlike the traditional mouse, they do not have a mouse ball.
4. **Wireless Mouse:** Its capability to provide connectivity without cables. The lack of wires provide free movement and these mice have high sensitivity

Memory Unit

About Memory

There are various units which are used to measure computer memory

- Bit - Smallest unit of computer memory
- Byte - 8 bit = 1 byte
- Kilobyte - 1024 byte = 1 kb
- Megabyte - 1024 kb = 1 mb
- Gigabyte - 1024 mb = 1 gb
- Terabyte - 1024 gb = 1 tb

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1 Bit = Binary Digit

8 Bits = 1 Byte

Kilobyte (KB)

1024 Bytes = 1 KB (Kilo Byte)

Megabyte (MB)

1024 KB = 1 MB (Mega Byte)

GigaByte (GB)

1024 MB = 1 GB(Giga Byte)

TeraByte (TB)

1024 GB = 1 TB(Terra Byte)

PetaByte (PB)

1024 TB = 1 PB(Peta Byte)

Exa Byte (EB)

1024 PB = 1 EB(Exa Byte)

Zetta Byte (ZB)

1024 EB = 1 ZB(Zetta Byte)

Yotta Byte (YB)

1024 ZB = 1 YB (Yotta Byte)

1024 YB = 1 (Bronto Byte)

1024 Brontobyte = 1 (Geop Byte)

Geop Byte is The Highest Memory Measurement Unit!!!