### Basic Input Output

<table>
<thead>
<tr>
<th>Bit and Byte Address</th>
<th>Bit</th>
<th>Byte</th>
<th>TI</th>
</tr>
</thead>
<tbody>
<tr>
<td>1024 B</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1024 MB</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1024 KB</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1024 MB</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>8 B</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>B</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>E</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Parallel Output

Parallel output is used for high-speed data transfer and is commonly used in computer systems for direct memory access.

#### Serial Output

Serial output is used for lower-speed data transfer and is commonly used in computer systems for communication over cables.

#### USB

USB (Universal Serial Bus) is a communication interface standard that supports high-speed data transfer and is used in many computer systems.

#### Firewire

Firewire is a high-speed serial interface standard that is commonly used in computer systems for data transfer.

#### Electrical and Electronic Engineers

IEEE 1394 (Institute of Electrical and Electronic Engineers) is a standard for serial data transfer that is commonly used in computer systems.

#### Power Supply

Power supply is the component that provides power to the computer system and is essential for the operation of the computer.

#### Clock Speed

Clock speed is the frequency at which the computer's processor operates and is a key factor in determining the performance of the computer.

#### DOS

DOS (Disk Operating System) is an operating system that was commonly used in personal computers in the 1980s and 1990s.
## BIOS

<table>
<thead>
<tr>
<th>Function</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date/Time</td>
<td>00:00:00</td>
<td>Adjust system date and time</td>
</tr>
<tr>
<td>Password</td>
<td>None</td>
<td>Set or change password for system security</td>
</tr>
<tr>
<td>Boot</td>
<td>Default</td>
<td>Specify order of boot devices</td>
</tr>
<tr>
<td>Secure Boot</td>
<td>Enabled</td>
<td>Enable or disable secure boot process</td>
</tr>
<tr>
<td>Secure DIMM</td>
<td>Enabled</td>
<td>Enable or disable secure memory</td>
</tr>
</tbody>
</table>

### Application Programs

- **Office Applications**
  - Microsoft Office
- **Database**
  - MySQL

### RAM

- **Properties**
  - Capacity: 8GB
  - Speed: 3200MHz

### Linux

- **Operating Systems Available**
  - Windows
  - MacOS
  - Linux

### Open Source Software

- **Qt**
  - Cross-platform application framework
- **GTK**
  - GUI toolkit for different platforms
- **LibreOffice**
  - Office suite for word processing, spreadsheets, and more

### BIOS Chips

- **CMOS Chip**
  - Contains system configuration information
1. High Level Language
   (Assembly Language)

2. Machine Language
   (8-bit Computers)

3. Low Level Language
   (Programming Languages)

Hexadecimal (0-9 A-F)