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Lab 2: getting to know computer hardware

CIS 355 – Computer Systems, Networks & Information Technology- Summer 2018

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| --- | --- | --- | --- |
| Component | Purpose/Function | Photo | Description of What the Component Does and Any Characteristics to Help Recognize Component |
| Audio out port | Allows audio to be transferred off the computer |  |  |
| Battery | Supply energy |  |  |
| BIOS | Holds the information to boot the computer |  |  |
| CD-ROM drive | Reads and run CDs |  |  |
| CPU | Performs the Computer’s computations |  | Covered by heat sink |
| Crystal for system clock | Keeps track of real time |  | Very small |
| DIP Switches | Allows changing and customization of the computer activity |  | Connects wires to make different circuits |
| EEPROM and /or EPROM | Erasable Programmable ROM |  |  |
| Expansion cards | Additional circuit boards that can be connected to the computer. |  |  |
| Floppy drive | Reads and runs floppy disks |  |  |
| Game Port | Used to connect joysticks to a computer |  |  |
| Hard drive | Used for permanent storage |  |  |
| Heat sink | Reduces heat generated by CPU |  | On top of CPU |
| IDE drive cable | Wires used to connect things on and off the motherboard to each other |  | Multiple wires |
| ISA slots | Allow for addition of modems, network cards, sound cards, etc. |  |  |
| Jumpers | Can change the computer functions by rearranging the circuits |  | Very small |
| Keyboard port | Port to connects a keyboard to the computer |  |  |
| Memory modules | Hold RAM |  | On motherboard |
| Microphone port | Port to connects a microphone to the computer |  |  |
| Motherboard | Holds most hardware components of the computer |  | Main controller of computer |
| Mouse | Controls movement and clicks for software on the screen. |  |  |
| Network port | Connects other networks to the computer |  |  |
| Parallel port | Connects multiple things at once |  |  |
| PCI slots | Allow for addition of modems, network cards, sound cards, etc. |  | For graphic cards |
| Power cords | Transport energy |  |  |
| Power supply | Holds the energy for the computer |  |  |
| RAM | Random access memory- volatile |  |  |
| Ribbon cable | Made up of multiple conducting wires to connect different parts of the computer |  |  |
| ROM | Read-only memory  Non-volatile |  |  |
| Serial ports | Connects a serial device to the computer |  | 9 pins |
| USB port | Reads and runs USB drives |  |  |
| Video port | Reads and runs videos |  |  |