COMPUTER DEVICES



Materials worked on in computer maintenance skill are computer devices or parts. These devices are motherboard, printers, speakers, monitors, power pack, UPS (Uninterrupted Power Supply), laptops, keyboards, mouse, touchpad, Hard Disk Drive (HDD), Solid-State Drive (SSD), CD (Compact Discs) drives, etc. These devices are many, thus they are classified into different groups. The most common classification system groups them into input,

output, system, storage and networking. Also, these devices are electronic and require specialized maintenance skill, for instance, keyboard is not maintained in the same manner as UPSes.

Input Devices

Input devices are the devices that send electrical signals into the motherboard. Keyboards and pointing devices, such as trackballs, touch pads and touch screens, are central to interacting with graphical user interfaces (GUI) applications and operating system software in terms of initiating actions (commands). Other devices are necessary to input sound, video, and a wide array of images for multimedia applications. These devices are usually plugged into USB or Firewire interface port on the system unit.

Output Devices

Computer output devices present processed data in a useful form. They include screen display, audio speakers or head sets and printers. The quality of

output for display, sound, and print is dependent on the performance features of these devices.

Network Devices

Network devices are the devices that are used to connect two or more computers together, so that they could share information or commands. Some of these devices are Ethernet cables, RJ (Registered Jack) plugs, switches, routers, modems, etc.

System Devices

System devices are the devices contained in the tower or system case. They serve to process data. The most important system device is the motherboard, which contains all the slots and sockets for other computer peripheral devices. Other system devices are RAM (Random Access Memory) card, hard disk, cards, power pack, etc.

Power Devices

The basic power device in the computer system is the UPS (Uninterrupted Power Supply). It contains a battery. It is used to supply power temporarily to the computer system when there is power failure,

so that the user can close all operations and shut the computer down properly.

Storage Devices

These are computer hardware devices used to store data/information. They include memory stick, microSD card, hard disk, CDs, DVDs, etc.