

## HOW TO ASSEMBLE A SYSTEM UNIT?

### Introduction

Most of the people go to a shop and buy a ready to use PC or can also be that they buy the components by there choice and let someone build the system unit. Not common to all us that it is much easier than expected to build a system unit. People who are capable of doing the process are those who know specifically technicians or those who are in the IT field. This process is necessary to be followed step-by-step to avoid damage to other components.

**Equipment's and Material** are the following:

1. Central Processing Unit or Process



2. Computer Case



3. Optical Drive (Optional)



4. Memory (RAM) – how many RAM that can be put in a system unit depends on the motherboard.



5. Power Supply Unit or PSU



6. SATA cables



7. Motherboard



8. Processor fan



9. Case fan



10. Hard Drive



11. Tools needed



### A step-by-step description of the Action

Step 1: Procuring Parts – it is necessary to buy the parts needed for the system unit. You must make sure that each part is compatible.



Step 2: Gather the tools – in assembling the device, make sure you use the exact tools because it might cause damage.



Step 3: Open the case – remove side panels, remove the screws.



Step 4: Prepare the case – remove all the packaging materials, the cover in the optical drive. Cables are pre-installed in the case.



Step 5: Ground yourself (Optional) – This is not necessary but is suggested because static electricity can ruin computer components including the case. You can wear a grounding strap or gloves.



Step 6: Prepare the motherboard and install the necessary equipment's

1. Install the motherboard – check the pin (the golden color) to know the position on putting it in the motherboard



2. If you have GPU also install it first





3. Install the CPU



4. Install the processor fan



5. Place the motherboard inside the case and screw it



Step 7: Install the hard drive – slide the hard drive on the case and screw it



Step 8: Install the power supply – put the PSU in the case and connect the cable to the cables to the motherboard.



Step 9: Install the case fan – screw it and connect the cable to the motherboard



Step 10: Install the Optical drive – the same as the hard drive you just need to slide and screw it



Step 11: Wrap up – reinstall the side panels on the case and screw everything back. If problems are encountered, recheck the components (on how you install it, the screws, etc.)

