

Step by Step PC Build

Welcome to the step by step guide on building your PC now before we begin make sure you have the following item:

- Motherboard
- Processor Chip (CPU)
- Heat shield & Fan
- Floppy Disc Drive
- Optical Drive (CD-ROM or DVD-Rom)
- Hard Disc Drive (HDD)
- RAM Chip
- IDE Cables (1 per drive/ Floppy drive has twist in cable)
- Power Supply Unit with P1 and Molex connections(PSU)
- Power Cable, Monitor, Mouse and Keyboard.
- Graphics card (if not supported by mother board)
- Phillips Screwdriver
- Flat Head Screwdriver
- Long Nose Pliers (Optional)
- Operating Software

So now you have these items follow this step by step guide and build your own PC.

1. Open out casing.
2. Locate mother board into case using brass turrets (required for earthing) ensuring external slots point out of relevant holes (see image a). Screw into place.
3. Insert optical drive into top front slot of PC and screw into place on both sides.
4. Locate hard disk drive into square casing and secure into place ensuring that the hard drive connections face to the rear and that the components exposed are facing down.
5. Screw hard drive into place
6. Then screw square case to the side of casing holding the optical drive.

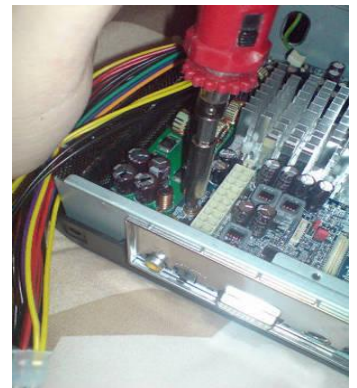


Image A



Image B

7. Take CPU Chip and locate into ZIP socket taking care to apply no undue force (see image B).
8. Use arm to lock processor into place (see image B).
9. Clip heat shield and fan unit to the top of the processor and plug the fan into the socket just next to the processor.

10. Insert the floppy drive above the hard disc drive and secure into place.
11. Then take the board with two long chips on it and insert it into the locking clamps in the DIMM slots.
12. Locate the graphics card secure into the brown AGI port. Secure tightly with screws.
13. Locate power supply unit into large slot at the back of the machine ensuring that it sits in between the runners on the case floor.
14. Secure into place.
15. Take the power cable with more colours than any other and insert into the mother board power socket.
16. Then take a P1 cable head and insert it into the back of the optical drive.

17. Then take another P1 cable and insert it into the hard drive at the rear.

18. Then attach a small Molex (See image C) and connect it to the 3.5" floppy drive.

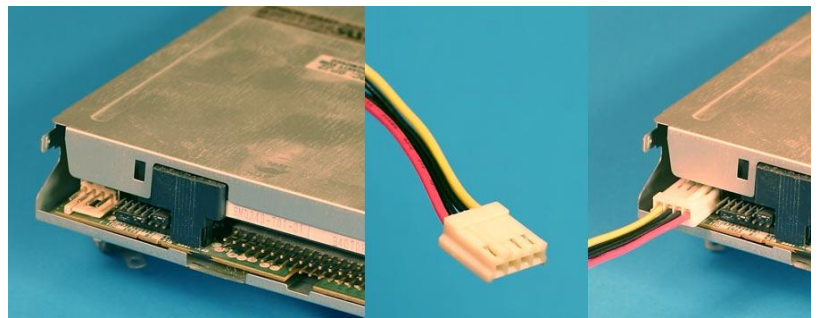


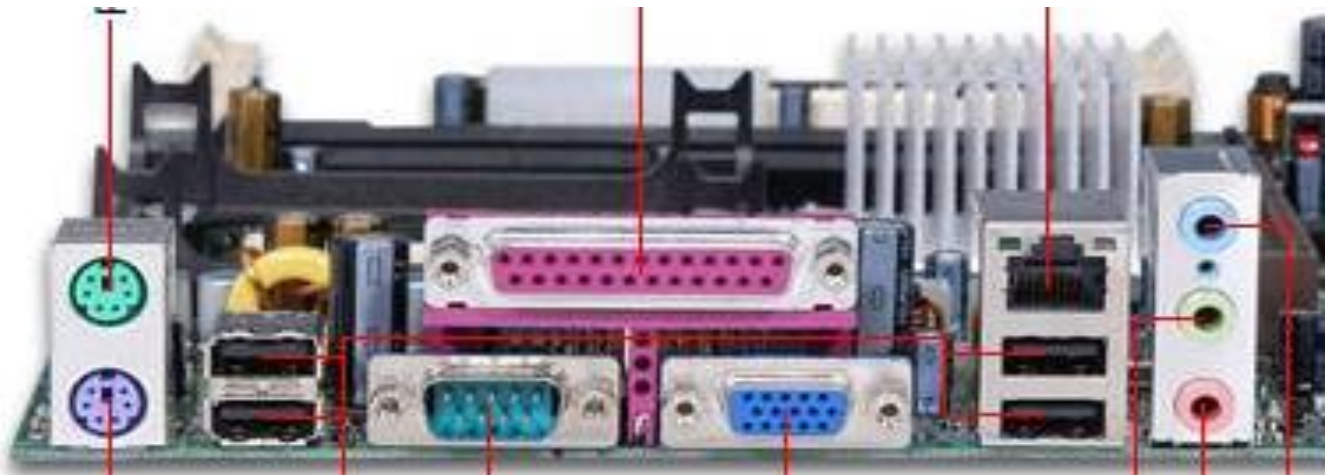
Image C

19. Take the IDE cables (see image D) and connect them to the IDE connections on the mother board, hard drive and optical device (making sure that the hard drive is connected to the blue socket and the optical to the white).
20. Take the small connectors located under the hard drive.
21. Firstly connect the speaker cable into the jumper pins located at the bottom left hand corner of the mother board.
22. Then connect the cable labelled HDD LED and place it into the jumper pins.
23. Then connect the cable named Power LED.
24. Then connect the Power On.
25. And finally connect the reset switch.
26. Then replace the outer casing.



Image D

Image E



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27. Connect a monitor to the VGA socket (image E item 1).
28. Connect a mouse & keyboard to the PS2 connections (image E item 2).
29. Connect up the power cable.
30. Turn the computer on.
31. Congratulations you have just built your PC!

