

What is discussed in the build guides?

The EasyPCBuilder Build Guides describe what the latest, most relevant and suited parts to your build. Our goal is to get you the best overall value, performance and reliability for the computer that you wish to build.

The guide also aims to explain the fundamentals of computers and building in terms that are easy to understand, and aim to give you total confidence in all computer building aspects going forward, regardless of your age or experience.

We have our best advice, tips and tricks in these guides for you. See the dot points below for the **64 EasyPCBuilder tips, tricks and advice** that will help you when building your computer with EasyPCBuilder.

Central Processing Unit (CPU)

1. Reasons why purchasing the most expensive CPU doesn't translate to better gaming performance
2. The differences between the main consumer range and high performance CPU's
3. Comparisons between Intel and AMD and the reasoning behind buying preferences
4. The brand, speed and CPU ranges recommended to ensure the best value for money
5. Identifying CPU's that allow you to enhance the CPU speed (Overclock)
6. The current range of CPU's new to the market and identification of newly superseded models (and their differences)

Motherboards

7. What the chipset on the motherboard does and how this affects computer performance
8. The chipset to use that is best for gaming and why
9. Identification of motherboard chipsets and their differences
10. The chipset to choose where you wish to enhance the CPU speed (Overclock)
11. Identifying the current range of motherboard chipsets on the market and identification of newly superseded models (and their differences)
12. Explaining SLI Graphic card configuration
13. Wireless connection considerations with motherboards
14. Brands to consider and what their features are
15. General explanation of PCI Express slots, their different speeds and the device usage for these speeds

Random Access Memory (RAM)

16. How to purchase cheaper RAM that will give you better speed
17. What speed of RAM to consider for your build (out of the multiple compatible ones)
18. Brand preference and why
19. When to consider 'Low Profile' RAM for your build
20. Voltages of RAM to ensure the best performance from your computer
21. The benefits of purchasing 2x RAM sticks of same total size than one individual RAM stick
22. The Latency assignment 'CL' of RAM sticks and which one is right for you

Graphics Processing Unit (GPU)

23. What is the right card for a gaming computer, considering all of the categories
24. Whether to spend extra on a graphics card in place of CPU, HDD, SSD or RAM
25. The difference between 2GB and 4GB cards in terms of speed, is it double?
26. The major GPU players (AMD and Nvidia) and the reasons for choosing either
27. Reference designs, and the changes that manufacturers can make to them in terms of cooling, speed and overall performance
28. Overclocked graphics cards 'out of the box' why they do this, and what the additional performance means for you

Solid State Drives (SSD's) (Excl \$500 Office PC and \$600 Gaming PC)

29. The optimum way to store your files between your SSD and HDD to ensure the best speeds for your computer
30. The best way to combine SSD and HDD use
31. What does an SSD do and why should you consider building with one
32. The general SSD technology explained
33. A cost comparison to traditional Hard Disk Drives (HDD) and the cost, overall size and speed considerations to make when building
34. The best SSD/HDD configurations to choose for data redundancy
35. The best brand to consider
36. The suggested size for a Gaming PC

Hard Disk Drives (HDD's)

37. The general HDD technology explained
38. What does a HDD do and why should you consider building with one
39. Considerations to make with hard drive spindle speed
40. HDD cache and why it matters what you choose
41. The best HDD configurations to choose for data redundancy
42. Why warranty matters with HDD's
43. What manufacturers you should choose to ensure the best reliability for your data

Aftermarket CPU Coolers (Excl \$500 Office PC and \$600 Gaming PC)

44. Why consider an aftermarket CPU cooler (noise, temperature, efficiency, overclocking)
45. How to check your cooler processor compatibility (where you choose a cooler other than those recommended by EasyPCBuilder)
46. When to install your Aftermarket CPU cooler and why
47. The physical size of aftermarket CPU coolers and how to choose a case that will fit it
48. Thermal paste application and the best process

Computer Cases

49. Considerations with the physical size of the case
50. Will the length of the graphics card fit?
51. Is the aftermarket CPU cooler too tall for my case?
52. Is the form factors of my case compatible with my motherboard?
53. Case size and ventilation
54. Power supply mounting positions and which is best
55. Cases that support concealed cable management
56. Fan controls for noise and temperature control of your PC

Power Supply Units (PSU's)

57. The 80+ power certification and what it means in terms of quality and savings
58. Ensuring your power supply protects your investment, in place of putting it in danger
59. Power supply efficiency and the cost savings
60. Required minimum power rating for an Office, Gaming or power gaming PC
61. The difference between modular and modular supplies and why you could choose them
62. Fan types and their locations
63. Power supply connectors available
64. Recommended manufacturers and the reasons why

Also with bonus sections on:

1. Recommended sound cards for your build
2. How to install your operating system: Step-by-Step guide
3. Alternative component options where your local store does not have stock

