Subject: Re: New pc :x
Posted by BAGUETTE on Sun, 22 Dec 2013 10:15:13 GMT
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RAM/CPU/Motherboard
Buy your RAM/CPU/Motherboard in a bundle if you are unsure about which parts work with what, that way you can ensure that you have the right CPU for your motherboards socket and the right RAM for your motherboards capabilities. e.g.
http://www.ebay.co.uk/itm/like/151076680119?hlpht=true&ops=true&viphx=1& amp; amp; amp;limghlpsr=true&lpid=101&device=c&adtype=pla&crdt=0&ff3=1
&ff11=ICEP3.0.0&ff12=67&ff13=80&ff14=101

Case
The case you get will depend on your choice of motherboard, each motherboard has a 'form factor', which is a representation of size, dimensions and screw fitting locations, most common form factor I think is 'ATX', basically you need to get a case that has the screw holes/size capacity for your chosen motherboard.  Most cases are capable of accompanying for multiple form factors. The motherboard in the ebay link above has a form factor of ATX, you can check out its specifications here https://www.asus.com/Motherboards/Z87K/#specifications

Id also recommend a full sized tower, since modern graphics cards are hugeeee and you probably need some extra space to fit the long ass thing in e.g.
http://www.nzxt.com/product/detail/34-phantom (Motherboard Support: E-ATX, ATX, MICRO-ATX), plus the extra space is nice for cooling and assembly.

Graphics Card
Graphics card is going to be the biggest impact for game running performance, probably the most expensive part too.
You will also need to make sure your power supply has the correct connectors to power your graphics card.
http://www.ozone3d.net/public/jegx/201011/gtx480_power_connectors.jpg
Above takes 1x8Pin PCIe & 1x6Pin PCIe

Power Supply
Your power supply will depend of the accumulation of all the parts you have bought, specially concerning the graphics card as it will use the most power probably. Power supplys also follow a form factor, again if you have an ATX case, get an ATX power supply.
Buying the power supply is probably the hardest thing to do, don't simply go for high wattage(1000w) power supplies, just because they have high wattage it doesn't mean their amps per rail output is good enough.

I had a friend who bought a 700w powersupply on ebay for £20 thinking it was some sort of holy find, the result was it had a single rail 16Amp output, his graphics card needed at least 30Amps to run, wouldnt power on.  Amps are kinda neglected and a few people make this mistake, each rail will have its own ampage(amps x number of rails = totalAmps) aka (30 x 2 = 60).

Something with about 550-700wats, 25-30amps 2 rails is probably a safe bet.

Storage
Storage will basically depend on your usage and amount of data, if you want speed, get an Solid State if you want high capacity get normal, if you want speed and storage, get both, run your operating system and most commonly used applications on your solid state and then movies, pictures, music ect on the bigger hard drive, look at some "SSD vs HDD" videos on youtube to see the difference. As far as compatibility with parts is concerned, a motherboard will determine what connector type and speed you can get, most commonly new motherboards and the one posted in the bundle above use "SATA 3", also known as Sata 6Gb/s, SATA 2 is 3Gb/s.

Example setup -
Case £100
http://www.nzxt.com/product/detail/34-phantom

Motherboard £150- 200
http://www.asus.com/ROG_ROG/CROSSHAIR_V_FORMULAZ/
Probably a bit OP, but this motherboard is retard friendly for overclocking

CPU £100
  http://www.amazon.co.uk/AMD-FX8320-Edition-4-0GHz-Socket/dp/B009O7YU56/ref=sr_1_
2?s=computers&ie=UTF8&qid=1387705447&sr=1-2&keywords=fx+8350
Motherboard and CPU are both AMD not Intel, AMD is generally quite a fair bit cheaper than Intel, and if you want to save money to invest in a better graphics card id recommend doing so.

Memory £70
  http://www.aria.co.uk/Products/Components/RAM/DDR3/Dual+Channel+1600MHz/Corsair+
Vengeance+8GB+%282x4GB%29+DDR3+1600Mhz+CL9+1.5V+Non-ECC+Unbuffered+%5BCM
Z8GX3M2A 1600C9%5D+?productId=45493
This memory can run up to 1600Mhz, however the motherboard listed is capable of 2400Mhz, although that's a bit overkill, going to 2400Mhz makes the RAM cost about £150, bit unnecessary, 8GB is probably fine too, unless you like having 3 million applications open then go for 16GB, meaning double the cost

Power Supply £90
  http://www.corsair.com/en/power-supply-units/tx-series-power-supply-units/tx-ser
ies-tx850-80-plus-bronze-certified-850-watt-high-performance-power-supply.html
Single rail, however 70Amps on that rail, 850w - more than enough

Graphics Card (High Spec)£340
  http://eu.evga.com/products/moreInfo.asp?pn=04G-P4-3778-KR&family=GeForce%20
700%20Series%20Family&uc=EUR
OP, playing everything in super high bbq settings

Graphics Card Alternative (Mid Spec) £200
  http://www.amazon.co.uk/EVGA-GeForce-Superclocked-Graphics-Mini-HDMI/dp/B0056LOT
LY/ref=sr_1_1?ie=UTF8&qid=1387706493&sr=8-1&keywords=EVGA+570+SC
Still really good, play most games in super higher bbq settings, if not maybe high-ultra

In all that costs about £800-£600, that isn't including postage and packaging, hard drives, CD

drives, keyboards & mouse and other peripherals, display, speakers.

Its kinda hard your limit yourself once you get going, it ends up being "oo £20 more and I can get a better CPU", and it all adds up -_-