

Forum:[Hack Forums](#)

Thread: [\[Notorious\]](#) [\[Guide\]](#) [How to choose the PC Case that suits you](#)

Lufasu - December 8, 2016, 4:45 pm

Hello, this guide will teach you how to choose the right package in relation to your demands.

(Example)

Adjustment of the case for each component:

CPU and cooling.

The processor does not affect selecting your chassis, but the cooling of compiling processor - Absolutely.

There coolers relatively large (like the NH-D14 Noctua's example) can not enter any enclosure, due to their size.

Therefore, it is important you check your size before you buy cooling of purchase, and provided you have cooling - check which sizes of CPU coolers chassis can accommodate.

Motherboard

A very important detail, I will expand it further.

Motherboards now come standard in these sizes: EATX, mATX SATX and, therefore adapted contains packages.

It is very important to check what sizes of boards case supports. You can check the manufacturer's website.

Power supply

Although it is recommended to buy packages which vendor location which is at the bottom of the rear cases (for better cooling of the supplier), but you can compromise and choose the location of the power supply pack it closer to the roof of the enclosure, nothing in this secondary. In addition, there are cases where there is a dust filter fan in the power supply, which can help many.

Hard drives and optimism.

Except a little less important, but it is important to treat it. If you have multiple hard drives and you want to install them, know that not all cases supports a large number of drives. About SSD, usually they come with an adapter, but not always. Therefore, it is important to check for vacant slots for installing drives you want (also applies to optical drives)

Graphic Card(s)

Not all packages are suitable to many lengths graphics cards. Tickets are longer, and there are fewer long. Although most of the enclosures Mid-Tower standard lengths today support all video cards, check the length of your display card / you are planning to purchase and the length cabinet supports it.

Another important thing is adaptive to the cards (that it will expand a little later). If you're planning system, choose a spacious and airy pack accordingly. Personally, I think that if the budget allows, Full-Tower Case will be a great solution for the array.

Different requirements

Those who install water cooling system should take into account that it takes them a lot of space to put the cooling water adequately to their cases. Water pipes refrigerated transport of water can rely

if fold them, due to lack of space. Cases like the HAF-X from Cooler Master and Gigabyte Aurora which are designed optimally for entering cooling water can help you install the radiator and all other parts calmly. If you wish to place a radiator quad / triple pack, previously tested cases which can accommodate sizes. I have been preparing you, almost no Midi enclosures that allow input water cooling system.

You will test the case according to number of important parameters that i will explain :

1. The size of the cases.
2. The heat dissipation when (you can also say "the quality cooling").
3. The quality of the materials that made up the cases.
4. The extent of the quiet of the case.
5. The various elements package (features, etc.).

These parameters are most important when you are purchasing a package renew Your computer comes, and now I will explain why.

1. The size of the case.

Before purchasing any package, check the size. It is customary to divide the cases by these sizes - Ultra Tower Full Tower Mid Tower, Mini Tower, HTPC. Sizes arranged in ZA, when ultra Tower "is the largest of them all and the small HTPC.

In most cases (I repeat, in most cases), the size of the enclosure which affects ventilation, larger case air flow will be better. Moreover, often the largest packages have the option to install more fans than smaller packages, such as mini-tower types.

A very important thing that must be checked before buying a pack, is what sizes motherboards case supports. The can try all you want, but you will not put a motherboard the size eATX mini-tower cases, etc. Site of the cases manufacturer will say what size. If dropped from the product page, you can borrow directly from the store / person selling you the package the size. There are holes in the case, through which the insert screws and fittings reinforce the motherboard to the case. The presence of these holes This is what determines which boards can be placed in the case . mini tower can be placed mATX, packs Midi can be placed mATX and SATX, and packs Full Tower can place all of the above plus motherboards size EATX (general knowledge, sort by size: eATX> SATX> mATX. SATX extent of the ATX also called for short).

The size of the package can be seen on the product page of the casing cemented site or product page on the site from which you are purchasing store the cases.

2. The package heat dissipation (cooling).

Another very important element in the various pods, is cooling and ventilation. Proper air flow can have a major impact on supply computer components, will help you make the OC correct, safe and stable. She optimal air flow when cold air enters at the front of the case, the case on the bottom of the chassis, and the hot air out the back of the roof of the complex compound.

There is no way of knowing what is pure cooling capability of the case, so it is recommended to go through online reviews. I would recommend Youtube, typically reviews where comfort scanning all the important things. If you can not find the time review. Generic cupboard made (composed of cheap and quality). If you read a number of reviews, but they are not going to buy one, the best option in this case is to read reviews or ask the course. (;

Moreover, it is highly recommended to choose a side door ventilated enclosures fans more if you plan to graphics cards. Graphics cards can produce a lot of heat when they work together, and the role of the cases to disperse heat and remove it from the area.

Most packages today are constructed of steel and aluminum. As I mentioned, cooling and ventilation systems can not be tagged and test, we recommend you read reviews online about the case you are planning to purchase. Do not be lazy, read everything, will not be pleasant if you miss an important detail and be surprised later.

3. The quality of the construction materials of the case.

There is not much to say on the subject, but know that the enclosures are made from high quality not likely to make noise intolerably, plus make your components reach very high degrees.

You can check the materials used case manufacturer's product web page. Another way is to ask the forum or search for information online.

4. The extent of the quiet of the case.

One of the most important elements to me casings, is quiet. Who wants Tractor Room? The answer is of course, no one.

Some manufacturers publish the amount of the fans decibel package making and this is an important detail, but not the only factor that determines whether the case is quiet and whether it is "noisy".

Even in this case, there is no way to know exactly how many will hear the case and how is noisy. The solution is a one-word web. Posts, YouTube and other Members.

Example case designed for quiet, he's the Fractal Design R3. case comes with special sound-absorbing strips significantly decrease the amount of decibels cabinet making, making it a unique case and sold very.

5. The various elements package (beauty, LEDs, etc.).

It can be said that this is the most marginal individual, because it does not affect the performance of the hardware in any way.

On the other hand, it is indeed very tempting to purchase a package with LEDs and a window, but this is not always a smart option. Unfortunately no shortage of cases in which the appearance comes at the expense of performance.

Today there are many companies that produce high-quality cases and recommended ones:

NZXT

CoolerMaster

Antec

Corsair

Fractal Design

ThermalTake

Lancool (a subsidiary of Lian Li)

SilverStone

more and more.

How should I take proper element + budget summary.

There are those who recoil than the packages so buy cheap and quality case.

After all, the case is part of your hardware, and do not underestimate it, as you do not disparage the rest of the hardware. In addition to what has been said above, the case is also the first thing you see when looking at a computer. Who wants to put his new hardware case Old broken? nobody.

A good gaming case price can start on 80\$+ , i bought my case for 100\$ with a window and some fans.

Vittorio - December 8, 2016, 4:48 pm

Hey thank you for this good read!

GokuHF - December 8, 2016, 5:01 pm

Thanks this is great for PC Noobies like myself

TheChi?f - December 9, 2016, 2:52 am

You deserve a lot more stickies brother ?

cum_bucket9292 - December 10, 2016, 4:22 pm

Great post. I feel like people underestimate how important a case is. It's the thing you are going to be interacting with. I remember buying a case and it had the worst locations for audiojack, and usb ports. Completely unusable.

Nevith - December 10, 2016, 4:23 pm

Thank you Brusk for yet another well written and informative thread.

mulcahy43 - January 10, 2017, 3:33 pm

Another very important element in the various pods, is cooling and ventilation. Proper air flow can have a major impact on supply computer components, will help you make the OC correct, safe and stable. The optimal air flow when cold air enters at the front of the case, the case on the bottom of the chassis, and the hot air out the back of the roof of the complex compound.

johnnyboy16273 - January 10, 2017, 8:01 pm

5. The various elements package (beauty, LEDs, etc.).

Lufasu - January 10, 2017, 8:10 pm

(Jan 10, 2017 09:01 PM)johnnyboy16273 Wrote: [\[CITE\]](#) 5. The various elements package (beauty, LEDs, etc.).

uhmm i guess that leds doesn't belong there.

because not everyone loving leds tbh leds belong to your setup desk imo