

# How to choose to buy a GPU for a computer

Graphics cards are an indispensable part for some computer users. These are the criteria that help you choose the GPU that suits your needs.

Nvidia has just announced the launch of a powerful new gaming GPU - GeForce RTX 20-Series - with 4K speed gaming capabilities over both 60FPS and real-time beam tracing to provide light and reflection effects more real.

But with such new and modern technologies, you will pay a small price. Nvidia's Founders Editions RTX 2070 card also has a starting price of \$ 599. The RTX 2080 will cost up to \$ 790, while the high-end RTX 2080 Ti card will cost \$ 1,199.

For those who are looking to build a computer or need to upgrade their graphics card, deciding which GPU to buy is reasonable to make a difficult decision. If you want to choose the best, fastest GPU without having to worry about anything else, wait for the RTX card to be released next month. If there are many things to think about, here are some factors to consider when choosing to buy a GPU.

## Price, don't be too economical

Graphics cards are often the most expensive part of a computer, but fortunately, they don't have to be replaced often. When Nvidia launched a new GPU line, the GTX 10-Series GPU will also drop in price. Whether looking for 4K rays or playing games are Nvidia's 'quarterly' technologies, but current GPUs are powerful enough for you to play A-class games.

It is also worth spending time saving to buy the graphics card you need. Don't rush to buy a cheap card and quickly upgrade to another card while both prices can help you buy a much more powerful GPU.

## Uses

Many high-end graphics cards can now meet the requirements of highly demanding software, many popular games like League of Legends, Fornite, Dota 2, Overwatch . can run on multiple integrated cards on the motherboard. , buying a weak GPU will affect the playing experience.

Nvidia GeForce GTX 1050 and AMD Radeon RX 560 are enough if you play games at a normal level and don't want to spend more than \$ 150. But note that they are not enough to run games that require too high levels of average graphics settings or run smoothly in high resolution.

GTX 1060 and RX 580 are higher options, both priced below \$ 300 and run most of the current games at medium to high graphics levels. If there is more, there are options under \$ 500 such as GTX 1070 or GTX 1070Ti, both of which will drop in price after RTX 2070 launched in late September.

If you want to experience the most detailed, high-quality FPS, get ready to spend money, the \$ 699 GTX 1080 Ti used to be the best option but the price may drop when Nvidia launches a new GPU. Even so, before it really fell,

wait and see, because the RTX 2080 is only about the same price. The RTX 2080 Ti is the most powerful card available today, the Founders Edition price is \$ 1,199.

The new GPUs of the 20-Series series are more true than the old line of specs but that doesn't mean it's the best option for everyone. GTX 1080 and 1080 Ti cannot compare to the new GPU for 4K ray detection or gaming but if that's not what you need, you don't have to spend that much money.



*Best doesn't mean the most suitable*

For those who want to save money, manufacturers such as Asus, EVGA, ZOTAC . will soon release the corresponding version of their own Nvidia card after Founders Edition to the shelves on September 20. The price will be about \$ 100 cheaper, some will be higher but there are many improvements in design, clock speed .

### **Which monitor are you using?**

Both the benefits and limitations of the graphics card are unrecognizable on a 1080p screen with a 1440p or 4K screen. If you think about buying a monitor with high specs, consider using a matching card. Currently the GTX 1070 is good enough to play 1440p games quite smoothly. You'll see the power of the RTX 20-Series if you use 4K monitors with G Sync technology.

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