

Sony announced the Playstation 5 configuration: Strong as the current PC crisis, but the hardware specifications are still inferior to the Xbox Series X

With a new generation console model, the configuration of Playstation 5 (PS5) is quite good, completely similar to the current high-configuration PC models.

After a long wait, Sony has officially revealed the detailed configuration of the PS5 - the latest Playstation generation will launch in the shopping season later this year.

Accordingly, PS5 will be equipped with 8-core CPU architecture of AMD Zen 2, which has a clock (oscillation) in the 3.5Ghz range. In terms of graphics processing, PS5 will use a custom GPU based on AMD's RDNA 2 architecture. With a clock speed of 2.23Ghz and 36 compute units, this GPU will give PS5 the computing power of about 10.28 teraflops - more than enough power to run games with terrible graphics at 4K resolution. .

In particular, AMD's GPU will also support Ray-tracing technology, similar to Nvidia's RTX graphics card series on PCs, according to Sony's confirmation.



Sony has not yet provided any images of PS5 design and style

Compared to PS4, PS5 also has a significant upgrade in terms of capacity and speed of RAM. The latest generation of Playstation equips up to 16GB GDDR5, compared to 8GB GDDR5 on PS4. Notably, PS5 will also be equipped with a customized SSD with a very large capacity, up to 825GB, completely replacing the

traditional HDD hard drive which has very slow speed each equipment on PS3 and PS4.

Last year, Sony demonstrated the PS5's super-fast game loading ability when trying to run the Spider-Man demo, which takes only 1 second to load the screen, compared to 8 seconds on the PS4.

According to Sony, an SSD with high-speed data read / write performance on the PS5 will shorten the waiting time for games to download data to a few tens of seconds, or even a few seconds. It is known that this is the standard NVME SSD, with the maximum data reading speed up to 5.5GB / s. Naturally, Sony also allows users to upgrade / replace the existing drive on the machine with a higher capacity SSD drive.

SSD Speed: $2GB \div 5GB/s \div 1.5 = 0.27$ seconds

	PS4 HDD (actual)	PS5 SSD (target)
<i>Bandwidth</i>	50-100MB/s	5 GB/s (at least)
<i>Seek Time</i>	2-50 milliseconds	Instantaneous
<i>Load Time</i>	1GB in 20 seconds	2GB in 0.27 seconds

Compare read / write speed and data download time of HDD on PS4 and SSD on PS5

Some other information revealed by Sony is that PS5 will support backward compatibility with titles released for PS4. Unlike the PS3 with PS4, PS4 and PS5 share the same design architecture, making game compatibility easier for developers. Although the current trend of the gaming industry is gradually shifting to digital games, PS5 still equipped with a Blue-Ray 4K drive.

Still weaker than rival Xbox Series X

In general, with a new generation console model, the PS5 has quite a formidable hardware, on par with the currently configured PC models. However, when compared with rival Xbox Series X, which was previously revealed, PS5 is somewhat inferior in terms of specifications.



Compared to the rival Xbox X series, the PS5 is somewhat inferior in terms of specifications

Notably, both Microsoft and Sony consoles feature extremely similar hardware architectures, with GPUs and CPUs provided by AMD. However, AMD's 8-core Zen 2 architecture CPUs equipped on the Xbox Series X have a higher clock frequency (about 3.8 GHz compared to 3.5 GHz).

At the same time, the GPU of the Xbox Series X also has more calculation units than the PS5 (about 52 CUs compared to 36 CUs), bringing the computing power up to 12 teraflops. Despite the same GDDR6 16GB RAM, the Xbox Series X is slightly better in terms of storage when equipped with a 1TB SSD.

It can be seen that this is a reversal of the previous generation of consoles, when Xbox One has a significantly weaker hardware configuration compared to the PS4, invisible medium that makes Microsoft's gaming model significantly sales hand.

Of course, the better configuration of the Xbox Series X does not necessarily bring many advantages to Microsoft. For many gamers, a diverse library of games with exclusive high-quality titles is a prerequisite for buying a new console. In this regard, the PS5 is still significantly more dominant when it comes to owning a series of exclusive, valuable games.



Currently, the price and design of PS5 has not been announced by Sony. However, according to an earlier report by Bloomberg, the cost of producing a PS5 was up to \$ 450, which led to the retail price of this console being \$ 100 higher than that of the PS4.

The unpublished price of Sony also shows that it is waiting for rival Microsoft to reveal the price of the Xbox Series X first, then determine the price of PS5. However, Sony could accept to sell its consoles, in order to profit from the sale of PlayStation Network games and services.

It is expected that both the PS5 and Xbox Series X will launch in the shopping season later this year, which is around the end of November. However, in the context of the COVID-19 epidemic is still complicated, not excluding the possibility of timing. The launch of these two console models will be significantly affected.

Refer to The Verge

You finished reading the article "**Sony announced the Playstation 5 configuration: Strong as the current PC crisis, but the hardware specifications are still inferior to the Xbox Series X**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.