

Everything about current AMD video cards

AMD video cards are a line of discrete video cards that are responsible for processing image and graphic information of software including resolution, color, contrast, etc.

On the market today there are many graphics cards for computers, including AMD. This is one of the leading graphics card lines today. In the article below, TipsMake will share with you all the information about current AMD video cards, please refer to it.

What is an AMD video card?

AMD video cards are also known as **AMD graphics cards**. This is a line of discrete video cards responsible for processing image and graphic information on the computer including resolution, color, contrast, etc.

Picture 1 of Everything about current AMD video cards

AMD graphics cards are manufactured and integrated into desktop computers, industrial computers, and laptops.

This card line is designed and manufactured by **Advanced Micro Devices** (abbreviated as **AMD**). AMD is headquartered in the US. A multinational manufacturer with famous products such as: Electronic components, video cards, semiconductor chips, GPU graphics processors,.

Pros and cons of AMD video cards

Below, **TipsMake** will analyze some pros and cons of AMD video cards:

Advantage

The AMD graphics card line is chosen by many users thanks to its outstanding advantages, including:

1. Most AMD graphics cards use a separate slot and operate independently of the server.
2. The card does not use RAM, because it has its own memory. Thanks to that, it does not affect the general system of computers, laptops, etc.
3. Supports game processing, graphic images, and large-capacity tasks.

Picture 2 of Everything about current AMD video cards

Defect

In addition to the above advantages, AMD graphics cards also have certain limitations. That is the PC cooling system that is not optimized. That's why when using a card, your laptop will heat up and freeze faster than if you don't use a card.

AMD video cards integrated on laptops

So that you can easily refer to and make the most suitable choice. Below, TipsMake will list some popular lines of **AMD video cards** integrated on laptops today:

1. AMD Ryzen series video card

This is one of the AMD cards with integrated graphics core and large memory. In addition, **AMD Ryzen** cards use the 14nm process with strong performance.

AMD Ryzen cards are relatively affordable for users. Besides, there are many product lines serving many different needs. For example, with 4 product lines, performance will gradually increase: Ryzen 3, Ryzen 5, Ryzen 7, Ryzen 9.

Picture 3 of Everything about current AMD video cards

2. AMD Radeon 520 graphics card

This card line is cheap and offers okay graphics performance. Suitable for office work and light entertainment gaming.

3. AMD Radeon 530 card

The Radeon 530 series is also a mid-range priced AMD video card, but the performance is about 10% higher than the AMD Radeon 520. This line is only suitable for light gaming at medium configuration levels.

Picture 4 of Everything about current AMD video cards

4. AMD FirePro M5100 graphics card

Firepro M5100 is a mid-range AMD card line, commonly used for mobile workstations. The AMD Firepro M5100 card has quite good performance, can play 3D games comfortably without worrying about performance. Along with that is technology that saves power and extends battery life.

5. AMD FirePro M6100 card

AMD FirePro M6100 was 'introduced' to the Vietnamese market in 2013. This is also a high-end graphics card line for mobile workstations. With high clock speed, AMD FirePro M6100 gives users smoother and more stable 3D gaming performance. Because of its high performance, FirePro M6100 consumes a lot of power. Although the energy consumption is relatively high, the ability to extend battery life is also high.

AMD discrete graphics cards specialize in graphics

Among the lines of cards used for graphic design, AMD video cards are the top choice of many users. Currently on the market there are popular types of AMD graphics cards:

1. AMD Firepro W series card

AMD Firepro W series graphics cards specialize in serving mobile workstations and servers. This line of AMD discrete graphics cards focuses on graphics and display design, including several products:

1. **The AMD FirePro W5000 card** is a high-end and professional graphics card, available in the Vietnamese market in August 2012. FirePro W5000 does not require the use of any additional power connectors. 75W is the maximum rated power draw of this card line.
2. **The AMD FirePro W7000 card** appeared in June 2012, launching just two months after the FirePro W5000. This is a single-slot card, drawing power from the 6-pin power connector. The card has a maximum power consumption of 150W, is 242mm long and features a single-slot cooling solution.
3. **The AMD FirePro W8000 card** draws power from the 6-pin power connector. This is a card with two slots and a maximum power consumption of 225W. The card is 279mm long and has a dual-slot cooling solution.
4. **The AMD FirePro W9000 card** was released at the same time as the AMD FirePro W7000 in June 2012. The card has a two-slot refresh solution and a length of 279mm. The maximum power consumption of the FirePro W9000 product is 274W.

Picture 5 of Everything about current AMD video cards

2. AMD FirePro V series card

FirePro V series is one of the AMD video card lines that gives users sharp image quality. There's also outstanding multi-screen display capabilities. AMD FirePro V7900 is the best candidate when it comes to this card line.

3. AMD Firepro M series video card

FirePro M series card is a professional graphics chip from AMD integrated into laptops. Famous products of the AMD Firepro M series are AMD Firepro M5950, M5100, M6100,.

1. **FirePro M5950** was released in January 2011. This is an MXM model card, capable of drawing power at a maximum of 35W.
2. **FirePro M5100** was launched in October 2013.
3. **FirePro M6100** was also released in October 2013. The card does not require any additional power connectors, power draw capacity is not calculated accurately.

AMD discrete graphics cards specialize in gaming

AMD pays great attention to the design and production of dedicated gaming graphics cards for gaming. Below are some discrete card lines from AMD:

1. AMD Radeon RX 6000 series card

As the top video card line of the AMD brand, Radeon RX 6000 brings significant performance improvements compared to the previous generation.

Radeon RX 6000 has 4 popular graphics card products:

1. **AMD Radeon RX 6900 XT:** Has 5,120 stream processors and up to 16GB of memory. With these outstanding features, the Radeon RX 6900 XT can help users play some extremely smooth 4K games with extremely sharp images.
2. **AMD Radeon RX 6800 XT:** Stream processors are 4,608, memory 16GB.
3. **AMD Radeon RX 6800:** Is a more minimalist version than the RX 6800 XT, but still has powerful and optimal performance. The RX 6800 has 3,840 stream processors, along with up to 16 GB of GDDR6 memory.
4. **AMD Radeon RX 6700 XT:** Compared to the 3 AMD Radeon RX 6000 series graphics cards above, the RX 6700

2. AMD Radeon RX 5000 series card

The AMD Radeon RX 5000 series of **video cards** are manufactured based on the RDNA architecture. Compared to the RTX 20 series of competitors from NVIDIA, the Radeon RX 5000 does not support specialized hardware for ray tracing.

The AMD Radeon RX 5000 series has 3 special products including: **AMD Radeon RX 5700 XT** , **Radeon RX 5600 XT** , **Radeon RX 5500 XT** .

Picture 6 of Everything about current AMD video cards

3. AMD Radeon RX Vega series

This is the last line of graphics cards from ADM that is fully integrated with the Graphics Core Next architecture.

Currently, **AMD Radeon RX Vega** continues to be used in chip product lines that integrate both the CPU and GPU of AMD graphics cards.

4. AMD Radeon RX 500 series card

Another line of AMD gaming graphics cards that you cannot ignore is **the AMD Radeon RX 500 series card** . This is considered the oldest existing graphics card line of the AMD brand. This card line uses the 4th generation Graphics Core Next (GCN) architecture.

Radeon RX 500 offers two price levels for users to choose from: mid-range and low-range. For mid-range, there are Radeon RX 570, RX 580 and RX 590 products. Low-range products include RX 550 and RX 560.

5. AMD Radeon Pro series cards

Radeon Pro is an AMD graphics card line focused on businesses, incorporating many of the most modern features and technology.

The latest Radeon Pro card product on the market today is AMD Radeon Pro VII.

Epilogue

After reading this article, hopefully you will 'pocket' the useful information about AMD video cards that TipsMake just shared above. If you find this article interesting, please share it with everyone you know!

You finished reading the article "**Everything about current AMD video cards**" 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.