

# Learn about how good the AMD Ryzen 5 5500U chip is?

What is the AMD Ryzen 5 5500U chip? Is it good or not? Let's find out with TipsMake in the following article.

Considered a new step forward for AMD in CPU production, the AMD Ryzen 5 5500U chip not only possesses extremely powerful performance but also has outstanding new improvements. In the following article, let's join TipsMake to learn about Interesting things revolving around this CPU line.

## What is AMD Ryzen 5 5500U?

Officially launched in early 2021, **Ryzen 5 5500U** is a mid-range chip of the AMD brand and belongs to the AMD 5000 Series Mobile mobile processor line. Each AMD 5000 Series processor will have an integrated AMD Radeon Graphics graphics card. However, based on reviews from users who have experienced this chip, the AMD Ryzen 5 5500U is actually just another version that has been renamed from the AMD 4600H series.

Picture 1 of Learn about how good the AMD Ryzen 5 5500U chip is?

## Structure of AMD Ryzen 5 5500U

**The AMD Ryzen 5 5500U chip** is manufactured using the modern TSMC 7nm process with significant design improvements. Accordingly, this chip line is developed based on the Zen and Zen+ architecture with 6 cores and 12 threads instead of 6 cores and 6 threads like the previous generation 4500U.

In normal state, AMD Ryzen 5 5500U clock speed reaches **2.1 GHz**, and can increase up to **4.0 GHz** when running on heavy applications. With impressive performance and unique design style, AMD Ryzen 5 5500U is a suitable choice for all laptops today.

## Performance review of AMD Ryzen 5 5500U

Compared to the old chip line 4500U, AMD Ryzen 5 5500U shows superior power thanks to a significant upgrade in configuration. The most prominent one is that this chip was upgraded from 6 threads to 12 threads.

Adding more threads not only helps provide high performance for the computer but also helps users meet all their experience needs. This chip can handle everything from simple tasks in studying and office work to complex tasks requiring advanced graphics.

Picture 2 of Learn about how good the AMD Ryzen 5 5500U chip is?

In addition, support from the Vega 7 graphics card also helps increase the device's graphics processing capabilities and allows users to set maximum configuration in some games such as League of Legends and Dota 2. , CS:GO,...

Especially for those who are studying design or programming, this chip also helps users smoothly handle software such as Photoshop, Illustrator,.

When using GeekBench software to measure the performance of the Ryzen 5 5500U, the chip scored quite well with 1128 points for single core and 5837 for multi-core. On the other hand, when experiencing some popular games like LOL and Far Cry 5, the device showed results that 'far exceeded expectations' with quite high FPS. As follows:

**LOL (High)**      99 FPS  
**Far Cry 5 (High)** 59 FPS  
**GTA 5 (High)**    85 FPS  
**CS:GO (High)**    95 FPS

Overall, AMD Ryzen 5 5500U is a good chip with high performance but has an affordable price and is suitable for the budget of the majority of users. With Ryzen 5 5500U, the power from the new structure and the addition of more CPU threads help bring superior power, allowing users to smoothly handle all tasks and maintain stable high FPS when playing games. .

## Compare AMD Ryzen 5 5500U with Core i7 1165G7

To help you have a more objective view of these two chip lines, let's follow TipsMake to compare the technical specifications of AMD Ryzen 5 5500U and Core i7 1165G7:

<b>Product information</b>	<b>AMD Ryzen 5 5500U</b>	<b>Core i7 1165G7</b>
<b>Launched</b>	Q1 2021	Q2 2020
<b>Basic pulse</b>	2.1 GHz	2.8 GHz
<b>Maximum clock speed</b>	4 GHz	4.7 GHz
<b>Number of streams</b>	twelfth	8
<b>Multiplier</b>	6	4
<b>L2 cache</b>	3 MB	5MB
<b>L3 cache</b>	8 MB	12 MB
<b>TDP</b>	15W	28W
<b>Architecture</b>	Lucienne (Zen 2)	Tiger Lake

Based on the comparison table above, we can see that compared to the AMD Ryzen 5 5500U, the Core i7 1165G7 chip line has a higher clock speed and is capable of overclocking up to **4.7GHz** . That shows that the i7 chip will have higher data processing capabilities and speed than the Ryzen 5 5500U CPU series.

However, compared to the number of CPU cores and threads, Intel's i7 chip line is clearly less than AMD's chips. Thanks to having more cores and more threads, the 5500U chip has a more powerful CPU, along with the ability to multi-task smoothly and quickly.

In particular, compared to the i7 chip, the energy consumption of AMD Ryzen is up to **46.43%** less than the Core i7 1165G7 (15 compared to 28 Watt). That proves that AMD Ryzen 5 5500U is a powerful chip and has the ability to effectively save energy for computers.

Therefore, AMD Ryzen 5 5500U will be the ideal choice for those who have low financial conditions but still want to own a powerful CPU, good support for work and gaming needs.

## Should I buy a laptop using AMD Ryzen 5 5500U?

**AMD Ryzen 5 5500U** is a powerful chip line equipped with **6 cores and 12 threads**. That also means that one core on the CPU will process two different data streams at the same time. Thanks to that, the laptop's task processing speed is also faster. On the other hand, because it is a mid-range chip, the AMD Ryzen 5 5500U chip is not too expensive compared to what it brings to users.

Picture 3 of Learn about how good the AMD Ryzen 5 5500U chip is?

However, you should also consider your own usage needs before making the decision to buy a chip. Because if you only use your laptop for simple tasks such as typing documents, watching movies, and surfing the web, in theory you will not necessarily choose to buy an AMD Ryzen 5 CPU.

On the contrary, if you are a gamer or designer with high and continuous processing needs, the AMD Ryzen 5 5500U will be a choice worth considering.

## Epilogue

Above is the introductory information about the Ryzen 5 5500U CPU belonging to AMD's 5000 Series processor line. If you find the article useful, don't forget to share it with others.

You finished reading the article "**Learn about how good the AMD Ryzen 5 5500U chip is?**" 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.