

Snapdragon 865 and Apple A13: What will be the world's most powerful mobile CPU?

865 Snapdragon and Apple A13, which CPU has more impressive performance?

Qualcomm is one of the world's leading mobile chip manufacturers, which doesn't need to be discussed. The company's products span all market segments and almost no competitors in the mid and low segments. However, in the high-end segment, things are not simple for Qualcomm because now, they will face products from Apple.

The Apple A series CPU (made by TSMC) is always known to be the most comprehensive mobile chips on the market, high performance, stability, power saving and excellent compatibility. In this segment, in the comparison between Snapdragon 8xx and Apple A-series chips, experts always cost a lot of ink. Typically, Qualcomm products will be available in the market first and become the world's most powerful mobile CPU, but this title is virtually maintained until the latest generation iPhone comes out. Will this situation continue in the next few years?

1. Detecting vulnerabilities in Snapdragon chips allows hackers to penetrate nearly every Android smartphone via wifi



The Snapdragon 865 will be a product for Qualcomm to "regain face" before its rival.

Qualcomm currently holds two strategic cards in the high-end segment: Snapdragon 855 and Snapdragon 855 plus. While Snapdragon 855 targets the traditional flagship smartphone market, Snapdragon 855 plus is mainly equipped on gaming smartphones. In addition, Qualcomm also owns a promising Snapdragon 8cx processor exclusively for Windows laptops.

The fact that the market has demonstrated how Qualcomm's market share for this product is quite impressive. The chips are designed for each specific task, thus possessing more impressive performance, while providing more stable performance. Although great, the problem with Qualcomm 'headaches' is that the top two Snapdragon 855 and 855 plus chips are behind the Apple A12 processor in terms of performance.

1. Snapdragon 855 Plus will be a high-end chip, "special treatment" with very noticeable improvements



Will Apple A13 maintain the world's most powerful mobile CPU position left by its predecessor A12?

Obviously Qualcomm cannot be satisfied and they are forced to make the necessary changes on the new product line to compete with rivals. Recently, the benchmark of the processor is said to be Qualcomm's upcoming Snapdragon 865 that has leaked on some online forums, suggesting that it will be a product for Qualcomm to "get back to face" with its competitors. .

1. TSMC will soon release 5 nanometer chips with many notable improvements

QUALCOMM Kona for arm64

Single-Core Score	Multi-Core Score
4149	12915
Geekbench 4.4.0 for Android AArch64	
Result Information	
Upload Date	August 07 2019 09:28 AM
Views	144
System Information	
System Information	
Operating System	Android 10
Model	QUALCOMM Kona for arm64
Motherboard	msm9ile
Memory	5674 MB
Processor Information	
Name	ARM Qualcomm
Topology	1 Processor, 8 Cores
Identifier	ARM implementer 65 architecture 8 variant 1 part 3341 revision 0
Base Frequency	1.80 GHz

Performance score of Snapdragon 865 (Geekbench leak)

As you can see from the Geekbench leaked image above, the Snapdragon 865 has a multi-core score of 12,915, surpassing all the world's most powerful chips to date, including Apple A12 on iPhone XS Max. . While the mono point is also very impressive, up to 4149 points.

This benchmark is measured on a device with 6GB of RAM with a basic clock speed of 1.8GHz.

Thus, we can absolutely hope that the final version of this processor will run at a much higher clock rate, thus giving even better overall performance. With such a level of performance, surely the Snapdragon 865 will be a competitor worthy of the Apple A13 that will soon be released in the near future.

1. Samsung announced a 3nm process chip, saving more than 50% energy, 35% faster than 7nm chip

After years of playing a pursuer, can Qualcomm catch up to Apple in terms of processing performance? Everything will be brightened this December.

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