

Will Qualcomm's 5G CPU be available in the market in 2020?

Wave 5G is 'bombarding' the smartphone world recently with the appearance of a series of cult flagships that support this technology ...

Wave 5G is "bombarding" the smartphone world in recent times with the appearance of a series of cult flagships that support this technology such as Samsung Galaxy S10 or LG V50 . However until yesterday. February 25, Qualcomm officially announced that it will ship the first processor with a 5G Modem integrated in 2020, is it a slow move for one of the manufacturers? The world's largest mobile CPU maker like Qualcomm?

Currently, Qualcomm's first Snapdragon 855 chipset is also equipped with an integrated LTE modem, but of course this modem is not produced by Qualcomm. That means basically, all 5G phones use Snapdragon 855, including Galaxy S10 5G, Galaxy Fold, LG V50, ZTE Axon 10 Pro 5G and 5G models of OnePlus, must also have a modem 5G is separate, leading to a lot of space inside the phone as well as consuming more power.



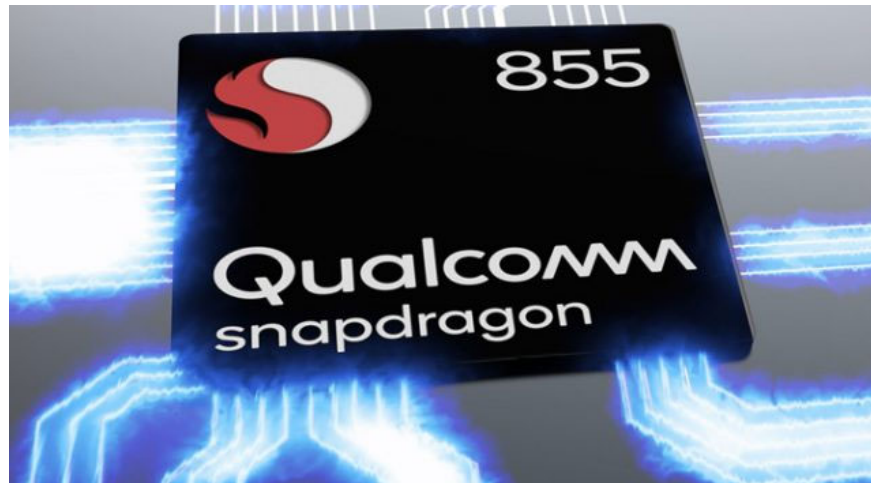
1. 3D ultrasound fingerprint sensor under Qualcomm's first screen in the world

Qualcomm's next top chip in 2020 with the integrated 5G modem will help eliminate the above problems completely. In addition, the integration of 5G modem will also reduce some of the disadvantages of this technology as the demand for electricity will be reduced, with more stable performance, and ultimately help to save space inside the machine. for other important components, such as batteries with larger capacities!

In terms of design, CPU with integrated 5G modem will allow thin and light 5G phones like LTE phones that we currently have, this is an attractive prospect (assuming battery life for 5G can meet the The standard as for LTE is now, while the design still ensures compactness and mobility.

However, Qualcomm's ability to integrate 5G into its flagship chip will mean more than that. It can absolutely bring prospects to dominate Qualcomm's global mobile CPU market in the future, with the ability to turn 5G compatible into the default function for nearly every Android flagship on the market.

At the present time, 5G is only considered an additional utility, or rather, its own decision in the design process depends on Qualcomm chips, such as LG and Sony. Meanwhile, the new chipset with an integrated 5G modem can make 5G supported by default from the beginning, greatly increasing the ability of manufacturers to take advantage of this connection standard.



1. The most remarkable smartphone models 5G will be released in February, who will lead the game?

In addition, every major change in Qualcomm products brings small changes to the smartphone market. In addition to manufacturers using homegrown CPUs such as Huawei (Kirin), Samsung (mostly using Exynos) and Apple (A Bionic - TSMC), almost basically, all phones are All of the major manufacturers in the market today are equipped with Qualcomm CPUs. By providing outstanding 5G connectivity integration for every flagship Android, Qualcomm can do more to promote the 5G adoption process as a new connection standard, gradually replacing completely for 3G and 4G LTE in current time.

Those are the advantages that Qualcomm's integrated 5G chip will bring when it is released. However, as mentioned, we have to wait at least another year to see the change this chip brings to the smartphone market. The first phones using the Snapdragon 855 only incorporate LTE that will be announced in the Global Mobile Exhibition (MWC 2019) framework, and have not yet recorded any specific price or release date for any Which smartphone uses Qualcomm 5G modem. Qualcomm itself is in the hands of a new 5G integrated processor, but they will not be able to provide their partners at least until the end of the year, and the first models to use the integrated Qualcomm 5G modem are naturally It will not be possible to ship until the first half of 2020, not to mention the problems that may arise!



1. Mr. Trump wants the 6G network to be deployed as soon as possible

In an optimistic way, we still have about a year of running for the launch of the first 'really complete' 5G smartphones.

You finished reading the article "**Will Qualcomm's 5G CPU be available in the market in 2020?**" 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.