Learn about Qualcomm's Quick Charge technology

Do you know anything about Qualcomm's Quick Charge technology? Along learn more about wireless charging technology Quick Charge if you do not know offline

Yes, in the current 4.0 era, the smartphone can be said to be our indomitable object, in addition to communication, it also has many other useful uses such as entertainment, study and work. work ., even many people also work on Smartphone without using a computer or any other device .

That is why the demand for using Smartphones has increased significantly, and it is accompanied by the need for battery life to be used continuously.

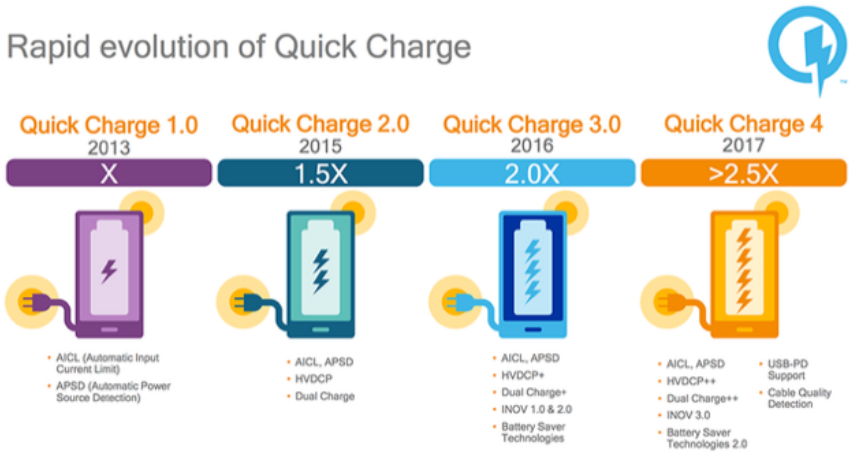
However, a smartphone with a large battery will be thicker, heavier, and result in worse design than other devices, and there are also great safety risks, such as the Samsung Galaxy Note case. 7 battery explosion for example.

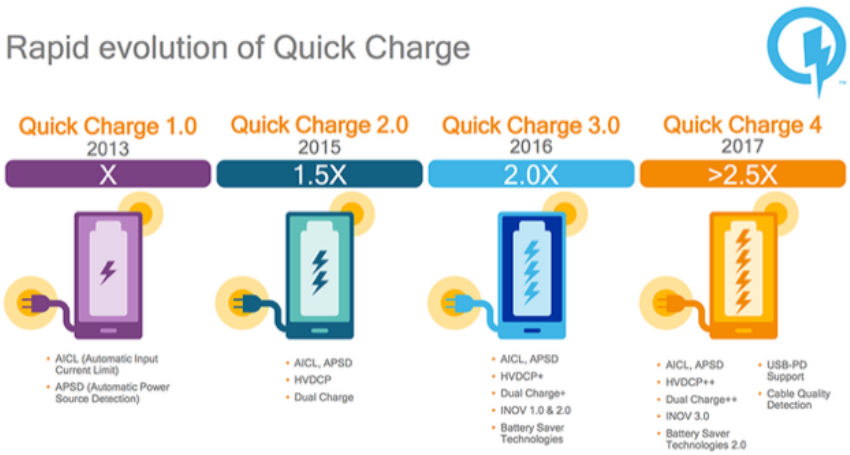
Instead, Smartphone manufacturers have researched and integrated for their chips the ability to increase the charging speed in many different ways, and specifically the Quick Charge technology that I want to talk about in the article. this.

In today's article, you and I will together learn more about how the great Qualcomm made that fast charging technology for our chips!

#first. Qualcomm Snapdragon and Quick Charge Technology

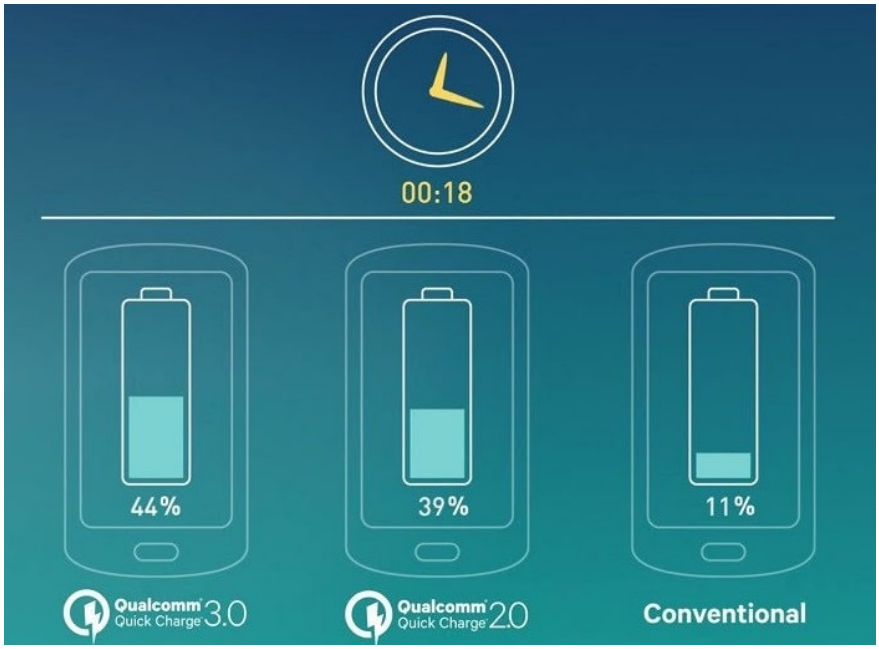
Qualcomm is the largest manufacturer of mobile chips in the world and comes with the latest technologies every year. Its chips are used on most phones running the Android operating system such as Samsung, Xiaomi, Sony, LG, Vsmart, and most recently Oppo with the Oppo Reno .

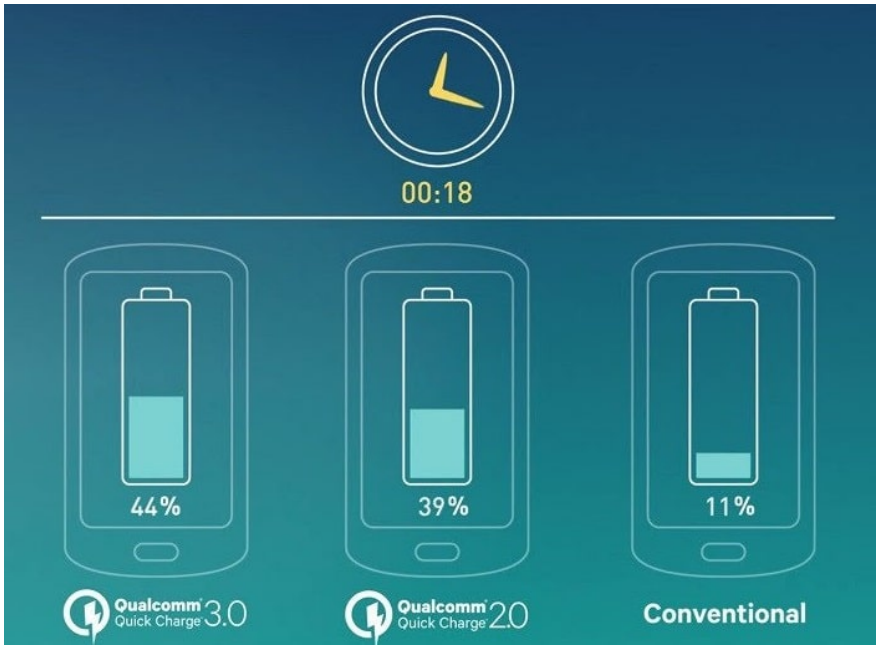




Its chips cover all phone segments, especially the low-cost segment with Snapdragon 4xx, the mid-range segment with 6xx and 7xx, and all the annual Flagship uses 8xx chips as the standard to compare. performance comparison with other chip manufacturers, especially chip A of Apple.

For a long time, Qualcomm has provided users with new charging technology, with better charging mechanisms, shortened charging times and many other uses.





1. The first is Quick Charge 1.0, with a charging capacity of 10W. Saying Quick Charge, but this is the charging capacity that almost all Smartphone manufacturers equip their machines, even without using a Snapdragon chip.
2. Next is Quick Charge 2.0, which has a maximum capacity of 18 W, output power is 5V - 2A, 9V - 1.67 A and 12 V - 1.5 A. This is the capacity of the current common charger. Quick Charge 2.0 technology has additional functions of Dualcharge and Baterry Saving, helping the battery to enter power faster, and at the same time saving the battery better.
3. Quick Charge 3.0, similar to Quick Charge 2.0 but has an INOV mode, which intelligently adjusts voltage levels in the range of 3.5 to 20 V, so even though the maximum power is 18 W, Quick charge 3.0 still gives speed. up to 38% faster charging than 2.0 and saving energy.
4. Finally, Quick Charge 4+, with the entire improvement of the technology of the previous generation, along with the ability to cool the device, prolong the battery life, check the quality of the charging cable.

Of course, because it is a Qualcomm technology, the Quick Charge function is only available on smartphones using Snapdragon chips. Subsequent Quick Charge-enabled devices will not support the previous generation's functions, but only use the power provided.

Some models, however, use Snapdragon chips, but have been omitted from the Quick Charge function due to safety concerns like Google Pixel, or want to use their own charging technology such as Oppo Reno with VOOC 3.0. .

#2. How do I use Quick Charge?

You need a machine that supports fast charging, of course!

Along with that is a charger support always. There are many companies offering a fast charger with the device, but most of it is lower than the technology that is integrated.

For example, Samsung Galaxy S7, S8, S9 can support Quick Charge 3.0, but the included charger has an output of 5V - 2A or 9V - 1.67A, which means Quick Charge 2.0. Therefore, users need to buy additional chargers from outside to be able to experience the best charging technology that the device offers.

Qualcomm has provided a list of devices that support Quickcharge each version on the homepage, along with the chargers that integrate that technology. You can find the reference, or view it here!

In my opinion, this is a very convenient technology, and of course it is very safe, suitable for current use needs, does not reduce battery life or damage the device. Hopefully through this article, you will have more necessary knowledge for yourself!