

6 major challenges that folding screen phones need to overcome to prove they are not technology 'soon and dark'

Folding screen phones, yes, technology products that consume the ink of experts have finally officially launched the first commercial versions ...

The phone screen is folded, yes, the technology product that consumes the ink of the experts has finally officially launched the first commercial versions, occupying the entire attention at the Mobile Exhibition. Global MWC takes place in Barcelona this year. But the favorite, is noticeable, but will users really hook up for this 'future' technology product? Especially when the screen phones fold up there are many things that need to be improved!

Last weekend, Samsung, the world's largest smartphone manufacturer, introduced a strategic product line for the first half of 2019, the Galaxy S10 with many new remarkable technologies. At the same time, the Korean manufacturer has also launched the first shot into the fold screen market with the release of the Galaxy Fold phone model - the smartphone can fold the first commercial version in the world. This luxury device, worth nearly \$ 2,000, can be transformed from a phone to a tablet with just a few simple steps, and is being advertised as a 'taste' from the future of the phone market. mobile.

Following the first 'shot' of Samsung is the appearance of a series of folding screen smartphones from many other major manufacturers such as Huawei, Xiaomi . In particular, Huawei products (Mate X) even have Price up to 2,600 dollars.



1. Huawei has just launched Mate X, a compact, beautiful screen smartphone, 5G connection and slimmer than Galaxy Fold

Leaving aside these 'technological toys' aside, we return to the past a bit. In 2017, many 'face-to-face' experts in the smartphone industry have predicted that folding screen smartphones will not have a chance to succeed, not to mention launching a brand. trade. At that time, the judgment of the majority of experts stems from their skepticism about prototype screen folding products, and the emergence of many dual-screen phones that are well received by the market. pole.

In short, this is how it is: In 2017, many experts believe that technology that helps a foldable phone in reality is not yet ready. And now, even if you've been looking at Galaxy Fold's eyes at MWC 2019, many people are still more sure than ever that folding screen phones will be just a 'fad', a technology. Blossoming dark '.

The fact that Samsung does not feel confident enough for any journalist or expert to try Galaxy Fold on its own, especially when the device comes out two months after its first introduction, may be reasonable. by leading to complete skepticism.

In fact, folding screen phones look great when viewed and there are many interesting things to discuss. But it is clear that there are the technical challenges that need to be overcome so that these devices can become the future of the mobile industry, solutions that even Samsung may not have found. out to prove that my phone is not a star that suddenly flashed and quickly turned off!



So what are those challenges? We will find out later.

1. The best technology products that are present at MWC 2019

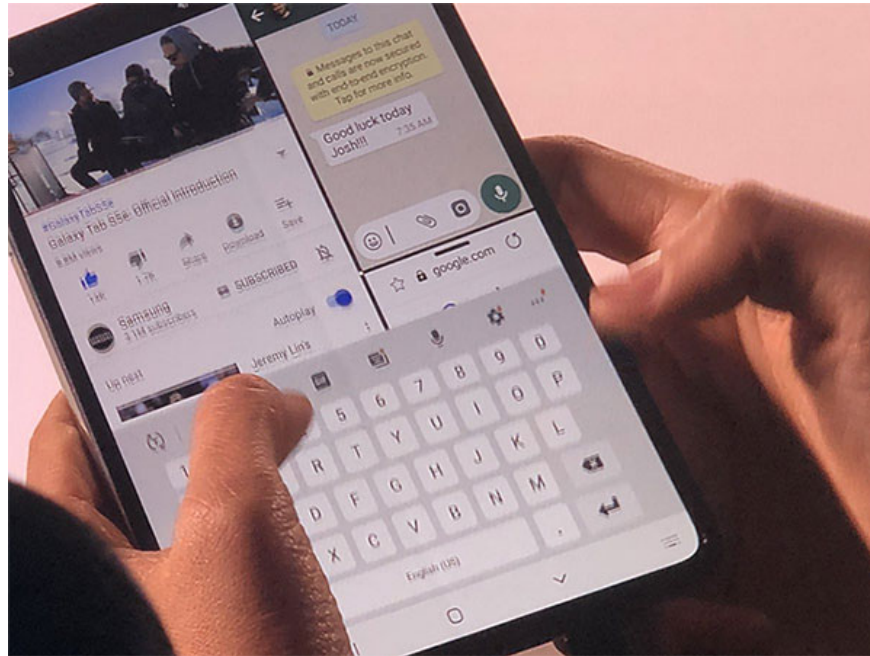
Folding screen smartphone

1. Wrinkles in the fold of the screen
2. Reliability
3. Software
4. Battery life
5. Thickness

6. Price
7. Breaking at MWC 2019?

Wrinkles in the fold of the screen

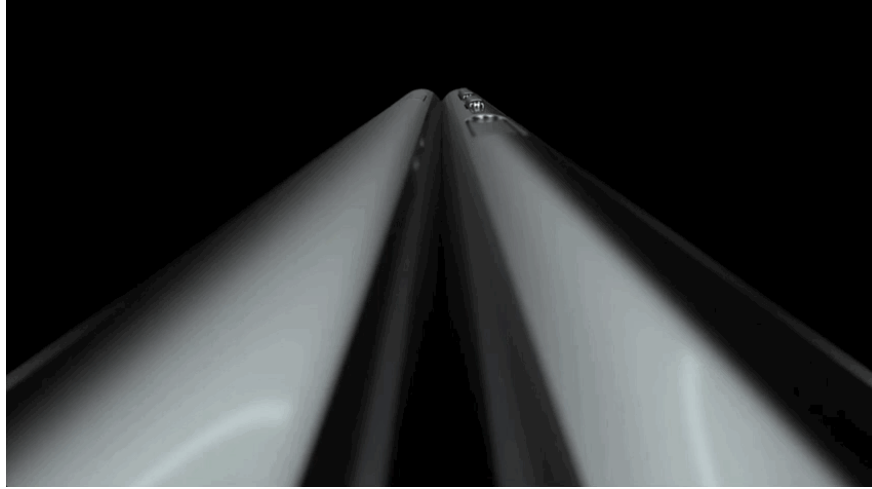
Take the Galaxy Fold, for example, without the appearance of big wrinkles when you fold half the screen. However, if you look closely you can see that the wrinkles run down the middle of the screen when the device is fully opened, but very blurry but not without, and in the long run, this can bring about uncomfortable, or even hardware related issues.



In general, most foldable screens on the market today have a fuzzy fold. There is no way to fix it and there is no sign that companies will soon solve this problem. Just like having a visible matte fold when you fold a piece of paper, the wrinkles on the folded phone screen are something that many people are dissatisfied with, as well as a factor that makes these products lose. Take your advantage.

Reliability

After wrinkles of course many people will have to ask questions about durability. The Galaxy Fold is highly appreciated in part because of the beautifully designed hinges, according to many experts, the most beautiful hinge on the folding screen smartphones has been launched to date, It is very smooth, unlike the wrinkled curves like a folding door that looks so bad on the Royole FlexPai. But the question here is how many times this hinge can withstand? How will the durability here be assessed when users can fold and open the device dozens, even hundreds of times a day?



Nothing is more harmful than dead pixels, or worse, a straight line appears on the screen of a phone that sells for more than VND 40 million! What happens if pixel points along the fold begin to die? Can any phone manufacturer ensure that the pixels along the fold of the screen will work stably for years?

What about using the case? How can a power unit be used on a folding screen phone? Oh, the questions are not answered!

1. Oppo 'chases' new folding screen smartphone, designed quite similar to Huawei Mate X

Software

Although sad, we must accept the fact that the software for optimal screen folding smartphones is not good at all. Google has 'thrown' a feature package that fully supports Android on devices that fold the screen, but that's not enough. If the spectacular failure of Android tablets has shown us one thing that it is crucial to tweak the software to suit each product line, then the support of third-party developers is also vital to the success of a folding screen phone.