

# iPhone 12 marks 13 years of change for Apple

iPhone 12 has a square frame, which is quite different from the iPhone 11. Over the past 13 years, this smartphone line has repeatedly changed its appearance and continuously added features.



**iPhone** . In June 2007, Steve Jobs announced the first generation iPhone. With 3.5 inch multi-touch screen, resolution 320 x 480 pixels, 2 MP camera, 8 GB of internal memory, capable of accessing the web, playing videos, music . iPhone is unlike any device. device was present on the market at that time. However, at this time, iPhone OS still does not allow the installation of third-party applications.



**iPhone 3G** . A year later, the iPhone 3G launched with its own application store called the App Store. This digital model is present on almost every electronic ecosystem, from phones to computers, to smart TVs. The machine's appearance is similar to the original version but is made thinner.



**iPhone 3GS** . This is the 3rd generation iPhone, introduced by Apple in June 2009 with a few minor upgrades. The design of the device is unchanged, still has a 3.5-inch screen with 320 x 480 pixel resolution, but the performance is significantly improved, with a 3.2 MP camera, additional internal memory option.



**iPhone 4** . Released in June 2010, this product is an important step forward in terms of design for Apple. It has flat, square, sturdy edges, Retina display and 5 MP camera. Up to now, the design of the iPhone 4 has become an icon in the smartphone world, the newly launched iPhone 12 series also bears similar looks.



**iPhone 4S** . More than a year later, Apple launched a small upgrade. The outside of the product is almost unchanged, but the power inside is the A5 chip, 8 MP camera that can record full HD video. In addition, iOS was improved, the first time the voice assistant Siri appeared.



**iPhone 5** . After six generations of smartphones, Apple finally gave up the 3.5-inch size. The iPhone launched in 2012 is equipped with a 4-inch screen with a resolution of 640 x 1136 pixels. The frame of the machine remains the same as the previous generation, but the overall lengthens.



**iPhone 5S / 5C** . September 2013, for the first time, Apple introduced two phones at the same time. iPhone 5C is considered a cheap device with a plastic back and carries the configuration of the previous generation, while the iPhone 5S is significantly improved: more powerful, integrated fingerprint sensor into the Home button. iOS 7 also brings the biggest improvements on the platform since 2008.



**iPhone 6/6 Plus** . The year 2014 saw a big change in the design of the iPhone. From 4 inches on the iPhone 5S, iPhone 6 screen raised to 4.7 inches, even the Plus version reached 5.5 inches, a huge number compared to what Apple users have ever experienced. The duo also abandoned the angular design that existed for many years, moving to curved edges and rounded corners.



**iPhone 6S / 6S Plus** . As the name suggests, the two models launched in 2015 reuse the previous generation platform. There are still 4.7-inch and 5.5-inch screens, keeping the same resolution, but the iPhone 6S / 6S Plus frame is made of 7000 aluminum, a more durable material.

In addition to the traditional colors, Apple added a rose gold version. Inside, the machine has more 3D Touch features, powerful A9 processor and 12 MP rear camera.



**iPhone SE** . In early 2016, Apple suddenly changed its precedent that had many years ago, introducing a version called iPhone SE. This smartphone inherits many features of the iPhone 5S such as 4 inch screen, square frame.



**iPhone 7/7 Plus** . Six months later, the 10th generation iPhone launches in the fall, according to tradition. The most impressive improvement is probably the 7 Plus version with dual camera, 2x optical zoom support. Apple also added IP67 water resistance and removed the headphone jack on this duo.



**iPhone 8/8 Plus** . The 7s / 7s Plus version does not exist, but in fact 8/8 Plus is very similar to the duo released a year earlier. The most notable addition is wireless charging, the overall performance is superior thanks to the A11 processor and camera that deliver more impressive pictures.



**iPhone X** . Also at the event in September 2017, along with the iPhone 8/8 Plus, Apple unveiled a completely new design, the iPhone X with 5.8-inch OLED screen, no Home and Touch ID. .

The device uses Face ID, an advanced facial recognition technology, but requires a notch on the screen. Up until today, world users are divided into 2 factions, one like and one hate the notch. The iPhone X is also the first Apple phone to have a starting price of \$ 1,000.



**iPhone XS / XS Max** . In September 2018, Apple launched the iPhone X successor duo. If the XS merely upgraded the internal hardware as usual, the XS Max is a new step forward with a 6.5-inch screen and the starting price is up to 1,099 USD. The A12 Bionic chip puts the performance of this duo to the top of the smartphone world.



**iPhone XR** . At the same time with the iPhone XS / XS Max, Apple introduced the "low-cost" iPhone XR. Logically, this is the successor to the iPhone 8 but without Touch ID and a 6.1-inch raised screen. With a comfortable price and power not inferior to many high-end duos, iPhone XR easily becomes the best-selling smartphone in the world in 2019.



**iPhone 11 Pro / Pro Max** . Months before its launch, the duo caused controversy with the square camera cluster design. For the first time, Apple smartphones carry the word "Pro" in the name and have 3 cameras on the back. Compared to the previous generation, it is supplemented with super wide angle lens. In addition to the usual configuration improvements, the company added a Midnight Green color version.



**iPhone 11** . This is the successor to the iPhone XR, announced alongside the iPhone 11 Pro / Pro Max in September 2019. The device has a dual-camera set in a square cluster similar to the two higher-end versions, with the same Apple A13 Bionic "monster" chipset. However, the device still uses a 6.1-inch LCD screen.



**iPhone SE (2020)** . Earlier this year, Apple released the second-generation iPhone SE. Basically, the device retains the appearance of the iPhone 8, including a single camera and a 4.7-inch screen, but inside it carries the A13 Bionic chipset. similar to the iPhone 11 series.



**iPhone 12** . Launched in the morning of October 14, this device line has 4 models, including iPhone 12 mini, iPhone 12, iPhone 12 Pro and iPhone 12 Pro Max. All equipped with OLED screens, A14 Bionic chipset with 5G for the first time. The design language is said to have many similarities with the iPhone 4/5 with flat, square edges.

In addition, the 6.7-inch iPhone 12 Pro Max is also the smartphone with the largest screen size ever made by Apple.

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