

# Official information about Samsung Galaxy S8, S8 Plus: Price, date of sale, specifications and special features

Samsung's product launch event took place in the heart of the next generation of flagship phones, Samsung Galaxy S8 and Samsung Galaxy S8 Plus. The following article will summarize all information about prices, sales dates, specifications and information regarding Samsung Galaxy S8 and Samsung Galaxy S8 Plus.

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## Overview of Samsung Galaxy S8 and S8 Plus

In the previous two generations, Samsung launched not one but two S-series smartphones. This year will have Samsung Galaxy S8 and Galaxy S8 Plus. Both smartphones will have Edge screens, with more front-facing space for the display. Therefore, the screen size is larger but overall the device is not much bigger than previous versions.

## Samsung Galaxy S8 and S8 Plus: Price and color

### Production schedule for Samsung Galaxy S8 and S8 Plus

South Korea's ET News website said to serve users' needs for S8, 12.5 will be produced in March and April. Of those 12.5 million, 7.1 million are 5.8 inch version, 5.4 million version is 6.2 inch. These figures will show that the S8 is more capable of selling than the Galaxy S7 (10 million S7 sold in the first 20 days of sale).

### Memory versions of Samsung Galaxy S8 and S8 Plus:

IHS research director in China, Kevin Wang wrote on Weibo that the S8 version of 6GB of RAM will be available only in China, the global version will only have 4GB of RAM.

## Price and warranty

1. Samsung Galaxy S8 will be available for \$ 750 Dollar (approximately 17 million VND) and Samsung Galaxy S8 Plus will cost \$ 850 Dollar (approximately 19 million VND 300,000). However in Vietnam, the expected price in Vietnam will be around VND 19 million for Samsung Galaxy S8 and VND 21 million for Samsung Galaxy S8 Plus.
2. Guard S8 is a warranty system exclusively for Galaxy S8 and S8 Plus.



## Color variations of Galaxy S8 and S8 Plus:

S8 and S8 Plus will have 5 different colors: Black (Black), Orchid Gray (Purple), Silver (Silver), Blue (Blue) and Maple Gold (Gold).





## **Samsung Galaxy S8 and S8 Plus: Release date**

The Galaxy S8 will officially go on sale on April 21 in the US, but Samsung has launched a pre-order program to support customers as well as offer other parts of its technology. This program will start on March 30.

## **Samsung Galaxy S8 & S8 Plus: Specifications**

Specifications of the S8 and S8 Plus are the best and there are not many conflicts. Below is a summary table:

	Samsung Galaxy S8	Samsung Galaxy S8+
<b>Platform</b>	Android 7.0 Nougat	Android 7.0 Nougat
<b>Dimensions, Weight</b>	148.9 x 68.1 x 8.0 mm, 155g	159.5 x 73.4 x 8.1 mm, 173g
<b>Display</b>	5.8" Quad HD+ Super AMOLED (2960 x 1440)	6.2" Quad HD+ Super AMOLED (2960 x 1440)
<b>Processor</b>	Qualcomm Snapdragon 835 / Samsung Exynos 8895	Qualcomm Snapdragon 835 / Samsung Exynos 8895
<b>RAM</b>	4 GB RAM (LPDDR4)	4 GB RAM (LPDDR4)
<b>Cameras</b>	Rear: Dual Pixel 12MP OIS (F1.7) Front: 8MP AF (F1.7)	Rear: Dual Pixel 12MP OIS (F1.7) Front: 8MP AF (F1.7)
<b>Storage</b>	64 GB	64 GB
<b>Battery</b>	3,000 mAh	3,500 mAh
<b>Special features</b>	IP68 water resistance, <a href="#">Wireless</a> charging, Bixby	IP68 water resistance, <a href="#">Wireless</a> charging, Bixby

## Camera

1. Camera of both devices will be improved to 8MP on the front, instead of 5MP of Galaxy S7. The aperture  $f / 1.7$  will be preserved. The front camera is 8 MP for selfie, a welcome improvement from the outdated 5 MP camera on S6, S7 and Note 5. According to ETNews website, the front camera will feature the autofocus feature of the rear camera. Samsung has found a way to make it small enough to not protrude from the phone, by installing actuators on the side of the lens rather than in the middle. The competition for cameras in the phone lines is very fierce and this improvement is necessary and urgent. Most importantly, it must capture beautiful images in low light conditions and JPEG compression. A dual camera is not necessary, but if major improvements are not made, this year, the S8 camera may be one of the weaknesses.
2. The rear camera remains the same with a resolution and aperture of 12MP and  $f / 1.7$  respectively, but the laser autofocus feature will be improved. This camera can record videos at a rate of 1,000 fps by adding DRAM to the camera sensor and has an 8 times faster shutter speed than the iPhone 7 (120 fps).

## Screen display

1. Galaxy S8 will have 5.8 inch screen with 18.5x9 ratio, larger than the 5.1 inch screen of Galaxy S7.
2. Galaxy S8 will be 148.9mm in length x 68.1mm in width, 8.0mm in thickness and 151g in weight, 1g lighter than the Galaxy S7.



1. Galaxy S8 Plus may own a 6.2-inch screen, larger than the 5.5-inch screen of the Galaxy S7 Edge.



1. Both Galaxy S8 and S8 Plus can support format display WQHD + 2960x2400. However, the default format screen will be Full HD 1080x1920 to save battery power.



1. Galaxy S8 will have RGB Super AMOLED Quad HD screen. RGB will bring about 11 million pixels, while the old screen only has about 7.3 million. This will make a profound difference with VR applications.
2. There will be no physical Home keys anymore but still meet IP68 water and dustproof standards. The angle is also rounded, similar to the one on LG G6.



## Software:

The S8 has some common features like IP86 certification (water resistance) and a fingerprint scanner. The operating system of Samsung Galaxy S8 and S8 Plus will be Android Nougat 7.0.



## Sound:

Apple removed the headphone jack with iPhone 7, but Samsung did not do so with S8. Although, the S8 will have a C-type USB port, but it also comes with a standard 3.5 mm headphone jack.

## Battery, processor and RAM:

### Processor:

Both Samsung Galaxy S8 and S8 Plus will use Samsung's Exynos 8895 chip. However, for the US, Japanese and Chinese versions, these two phones will be replaced by Snapdragon 835 chips.

Snapdragon 835 is produced on 10 minutes of FinFET technology of Samsung. The 8-core processor will be 20% faster and 25% more efficient than the Snapdragon 820 version. This CPU has 4 processor cores operating at speeds up to 2.45 GHz and 4 cores running at 1.6 GHz . The Adreno 540 graphics card also promises to improve performance by up to 25% and support HDR.

For the S8 version sold in other markets, it is rumored that it has an Exynos 8895 or 9810 processor. Using different processors in different markets is not surprising. with this giant Samsung mobile phone company.

### RAM and internal memory:

Samsung Galaxy S8 will have 4GB RAM and will have a 6GB version in Korea and China. S8 and S8 Plus have no mutations in RAM or internal memory. Specifically, S8 and S8 Plus will have 64 GB of internal memory, connected to the fast UFS 2.1 interface. MicroSD slot is still available, there may also be a variant with 128 GB memory. UFS 2.0 memory is 64 GB, larger than last year's product when only 32 GB.



## **Battery capacity and charging**

1. The battery of Galaxy S8 and S8 Plus has not changed much since it still has 3000mAh and 3500mAh batteries like Galaxy S7 and Galaxy S7 Edge.
2. Support wireless charging more quickly.

## **Network connections**

1. Dual Wi-Fi band supports playback and wifi reception with 2 different bands, along with Bluetooth 4.2.
2. Replace the standard MicroUSB connector with the new USB Type-C connection standard to suit the market.

## **Samsung Galaxy S8 & S8 Plus: Bixby Virtual Assistant**

S8 will be preloaded with Samsung's new virtual assistant Bixby (similar to Siri on iOS). Moreover, in the fourth quarter 2016 revenue report, Samsung also mentioned that software and services that support AI are an integral part of the company's growth strategy, so that Bixby's presence on S8 is also understandable.

Bixby is different from other virtual assistants because it will be a third party open platform. Bixby runs on many devices like appliances, accessories and becomes the control center for your smart home. Bixby may include some very interesting features such as Samsung Pay support, integration with installed applications, an intuitive search tool and OCR optical character recognition for use on cameras.

Bixby will have a camera button attached, allowing access to the search engine to handle whatever the camera is pointing at. Bixby will analyze images, identify objects or text. Bixby will even help you search for an object, or use OCR to handle any text you put into your phone. In addition, Bixby can support 7 to 8 languages, surpassing the language capabilities of AI competitors such as Google Assistant.

## **Samsung Galaxy S8 & S8 Plus: Special features**

**PC mode:**

Samsung is working hard to compete with Microsoft's Continuum when it comes to PC mode. This technology will allow smartphones to expand their screens to external monitors and use peripherals such as keyboards and mice, which will act like a desktop computer.

### **Iris, fingerprint scanner:**

The S8 and S8 Plus will have an iris scanner. This scanner provides additional level of unadulterated security and API that allows 3rd party applications to use this iris scanner to open sensitive files. Camera for scanning iris on S8 will have 3.7 MP resolution.

Fingerprint scanner on both Samsung Galaxy S8 and S8 Plus will be located at the back and side of the device's Camera, supporting unlocking as well as opening some specific applications by fingerprint.



### **Face recognition:**

S8 will have facial recognition feature. This security feature adds convenience because it takes less than 0.01 seconds to unlock the phone. Face recognition will be done via a device located on the front of the phone.



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