



Built for the Way We Communicate Today: Samsung Galaxy S9 and S9+

The Samsung Galaxy S9 and S9+ fuel new discoveries with Super Slow-mo video, best-in-class low light camera and AR Emoji for a more personalized way to express yourself

BARCELONA, Spain – Feb. 25, 2018 – Samsung Electronics Co., Ltd. introduces the Samsung Galaxy S9 and S9+, the smartphones that reimagine the way people communicate, share and experience the world. Made for an age in which consumers increasingly communicate and express themselves more with images, videos and emojis, the Galaxy S9 and S9+ drive innovation with Samsung’s advanced camera. Redesigned with a new Dual Aperture lens that powers an innovative low light camera, Super Slow-mo video capabilities and personalized AR Emoji, the Galaxy S9 and S9+ ensure users do not miss a moment and make their everyday epic.

The Galaxy S9 and S9+ deliver an enhanced entertainment experience with powerful stereo speakers tuned by AKG, immersive audio with Dolby Atmos® and a refined edge-to-edge Infinity Display¹ – a key staple in Samsung’s design heritage. In addition, the Galaxy S9 and S9+ will come with the new SmartThings app, which unites Samsung’s existing IoT services into one single, smart experience.

“The way we use our smartphones has changed as communication and self-expression has evolved,” said DJ Koh, president and Head of IT & Mobile Communications Division, Samsung Electronics. “With the Galaxy S9 and S9+, we have reimaged the smartphone camera. Not only do the Galaxy S9 and S9+ enable consumers to shoot great photos and videos anywhere, it’s a smartphone that’s designed to help them connect to others and express themselves in a way that’s unique and personal to them.”

Camera Reimagined

Today’s cameras are for more than taking pictures – they’re for connecting and communicating. Consumers want a smartphone camera with state-of-the-art technology, so they can express themselves with high-quality images and tools to tell their own, unique story. The Galaxy S9 and S9+ cameras are built with these consumers in mind, with a Super Speed Dual Pixel sensor with dedicated processing power and memory to take amazing shots with high photo quality. The Galaxy S9 and S9+’s camera features include:

- **Super Slow-mo:** Make every day moments epic with dynamic, slow-motion video that captures 960 frames per second. The Galaxy S9 and S9+ also offer automatic Motion Detection, an intelligent feature that detects movement in the frame and automatically begins to record – all users have to do is set up the shot. After capturing the Super Slow-mo video, users can select background music from 35 different options or add a tune from their favorite playlist. Users can also easily create, edit and share GIF files with a simple tap in three playful styles of looping to watch the action over and over again.

¹ Infinity Display: a near bezel-less, full-frontal glass, edge-to-edge screen.

- **Low Light Camera:** Good lighting is the secret to any great photo. But often, photos are taken in less-than-ideal lighting conditions and most smartphone cameras have a fixed aperture that can't adjust to low or bright lighting environments resulting in grainy or washed out pictures. Similar to the way the iris of a human eye expands and contracts, Samsung's Dual Aperture² (F1.5 / F2.4) automatically lets in more light when it's dark and less light when it's too bright, taking photos that are crisp and clear.
- **AR Emoji:** Samsung lets users create an emoji that looks, sounds and acts like them. AR Emoji uses a data-based machine learning algorithm, which analyzes a 2D image of the user and maps out more than 100 facial features to create a 3D model that reflects and imitates expressions, like winks and nods, for true personalization. AR Emoji shares users' real-life emotions not only in video but also with a range of stickers and uses a standard AGIF file format so users can share their emojis across most third-party messaging platforms.
- **Bixby:** Samsung's intelligence platform, integrated into the camera, uses augmented reality and deep learning technologies to provide helpful information about a user's surroundings.³ With real-time object detection and recognition, Bixby instantly generates information directly on top of the image that the camera is pointing at. Users can translate foreign languages and currency in real time with Live Translation, learn about their surroundings, purchase products seen in the real world and track calories throughout the day.⁴

Entertainment Reimagined

Smartphones are often our go-to choice for entertainment, which is why Samsung created a device that offers premium sound experiences with stereo speakers tuned by AKG. Whether users are watching their favorite movie or streaming their favorite artist's latest album, sounds are clear, crisp and rich in quality. The Galaxy S9 and S9+ also support Dolby Atmos, giving the effect of 360-degree sound.

The Galaxy S9 and S9+ audio experience is complemented by Samsung's revolutionary Infinity Display. First introduced on the Galaxy S8, the bold, bright Super AMOLED Infinity Display blends right into the phone with virtually no distracting notches. With adaptive contrast enhancement, users can use their device even in direct sunlight.

A Device that Fits with the Connected Lifestyle

As the first smartphone to support the new SmartThings app, the Galaxy S9 and S9+ are the central hub to manage every facet of the connected lifestyle at home, at the office or on the go. The SmartThings app will be introduced with the Galaxy S9 and S9+ and will connect to other Samsung and non-Samsung devices.

For those constantly on the move, the next-generation Samsung DeX empowers a mobile lifestyle by bringing a large, full-screen experience to the mobile handset. With the DeX Pad, a new docking system, users can easily connect the Galaxy S9 and S9+ to a larger monitor, keyboard and mouse to expand the

² The Dual Aperture supports F1.5 mode and F2.4 mode. Dual Aperture is installed on the rear camera (Galaxy S9) and rear wide-camera (Galaxy S9+).

³ Bixby service availability and features may vary by country or carrier. Voice Command recognizes English (U.S.), Mandarin Chinese and Korean. Not all accents, dialects and expressions are recognized. Voice command works with a select, growing list of Samsung and third-party apps. See "Apps with Voice" in Bixby for a list of compatible apps.

⁴ May differ by country and carrier.

mobile experience with enhanced document editing or even full-screen gaming.⁵ Users can also transform the Galaxy S9 and S9+ into a Touch Pad with the DeX Pad.⁶

The Best Comes Standard with the Galaxy Foundation

Samsung sets the gold standard for smartphones with IP68⁷ water and dust resistance and wireless charging and goes a step beyond with the Galaxy S9 and S9+. The devices now support expandable memory of up to 400GB with a Micro SD Card and are equipped with the latest premium application processors offering powerful performance and sophisticated image processing.

In addition, the Galaxy S9 and S9+ give users the peace of mind knowing that their phone is protected by Knox 3.1, Samsung's latest defense-grade security platform. The Galaxy S9 and S9+ support three different biometric authentication options – iris, fingerprint, and facial recognition – so users can choose the way they want to protect their device and applications. The devices feature Intelligent Scan, a new verification that intelligently uses the collective strength of iris scanning and facial recognition technology to quickly and conveniently unlock a user's phone in various situations. The Galaxy S9 and S9+ also introduce Dedicated Fingerprint, giving users the option to use a different fingerprint to access Secure Folder than the one used to unlock the phone.

The Galaxy S9 and S9+ take health to the next level with an improved optical sensor built directly into the device, providing richer, more accurate information on users' health status. This sensor allows the Galaxy S9 and S9+ to keep track of users' Heart Load Factor, a new measurement of the real-time demand placed on the heart⁸.

The Galaxy S9 and S9+ will be available starting in March 16, 2018 in select markets and will be offered in Midnight Black, Titanium Gray, Coral Blue and a new hue, Lilac Purple.

For more information about the Galaxy S9, visit <http://www.samsungmobilepress.com>, news.samsung.com/galaxy or www.samsung.com/galaxy.

Samsung Galaxy S9 and S9+ Product Specifications

	Galaxy S9	Galaxy S9+
OS	Android 8 (Oreo)	
Display	5.8-inch Quad HD + Curved Super AMOLED, 18.5:9 ^{9,10} (570ppi)	6.2-inch Quad HD + Curved Super AMOLED, 18.5:9 ^{9,10} (529ppi)
Body	147.7mm x 68.7mm x 8.5mm, 163g, IP68 ⁷	158.1mm x 73.8mm x 8.5mm, 189g, IP68 ⁷
Camera	Rear: SuperSpeed Dual Pixel 12MP AF sensor with OIS (F1.5/F2.4) Front: 8MP AF (F1.7)	Rear: Dual Camera with Dual OIS - Wide-angle: Super Speed Dual Pixel 12MP AF sensor (F1.5/F2.4) - Telephoto: 12MP AF sensor (F2.4)

⁵ Available on select Samsung smartphones running Android 8.0+. Using the original HDMI cable and charger included with DeX Pad is recommended. DeX Pad, keyboard, mouse, monitor sold separately.

⁶ DeX Pad comes with HDMI cable, wall charger and data cable. Accessories including monitor sold separately. Use of original HDMI cable and charger included with DeX Pad is recommended. DeX Pad also supports Galaxy S8, S8+ and Note8.

⁷ Based on test conditions for submersion in up to 1.5 meters of freshwater for up to 30 minutes. Rinse residue/dry if wet.

⁸ Intended for general wellness and fitness purposes only.

⁹ Screen measured diagonally as a full rectangle without accounting for the rounded corners.

¹⁰ Default resolution is Full HD+ and can be changed to Quad HD+ (WQHD+) in Settings.

		Front: 8MP AF (F1.7)
AP	10nm, 64-bit, Octa-core processor (2.7 GHz Quad + 1.7 GHz Quad) ¹¹ 10nm, 64-bit, Octa-core processor (2.8 GHz Quad + 1.7 GHz Quad)	
Memory	4GB RAM 64GB/128GB/256GB ¹² + Micro SD Slot (upto 400 GB)	6GB RAM 64GB/128GB/256GB ¹² + Micro SD Slot (upto 400GB)
SIM Card	Single SIM: Nano SIM Dual SIM (Hybrid SIM): Nano SIM + Nano SIM or MicroSD slot	
Battery	3,000mAh	3,500mAh
	Fast Wired Charging compatible with QC 2.0 Wireless Charging compatible with WPC and PMA	
Network	Enhanced 4X4 MIMO / CA, LAA, LTE Cat.18	
Connectivity	Wi-Fi 802.11 a/b/g/n/ac (2.4/5GHz), VHT80 MU-MIMO, 1024QAM, Bluetooth® v5.0 (LE up to 2Mbps), ANT+, USB type-C, NFC, Location (GPS, Galileo, Glonass, BeiDou) ¹³	
Payment	NFC, MST	
Sensors	Iris sensor, Pressure sensor, Accelerometer, Barometer, Fingerprint sensor, Gyro sensor, Geomagnetic sensor, Hall sensor, HR sensor, Proximity sensor, RGB Light sensor	
Authentication	Lock type: pattern, PIN, password Biometric lock type: iris scanner, fingerprint scanner, face recognition, Intelligent Scan: multimodal biometric authentication with iris scanning and face recognition	
Audio	Stereo speakers tuned by AKG, surround sound with Dolby Atmos technology, Audio playback format: MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XMF, MXMF, IMY, RTTTL, RTX, OTA, APE, DSF, DFF	
Video	MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM	

**All functionality, features, specifications and other product information provided in this document including, but not limited to, the benefits, design, pricing, components, performance, availability, and capabilities of the product are subject to change without notice.*

About Samsung Electronics Co., Ltd.

Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions. For the latest news, please visit the Samsung Newsroom at <http://news.samsung.com>.

¹¹ May differ by country and carrier.

¹² May differ by country and carrier. User memory is less than the total memory due to storage of the operating system and software used to operate the device features. Actual user memory will vary depending on the operator and may change after software upgrades are performed.

¹³ Galileo and BeiDou coverage may be limited.