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## Samsung galaxy s7 unlocked refurbished walmart

From plastic in 2014 to glass and metal in 2015, last year was the biggest revolution in Samsung's mobile wallet since the launch of the first Galaxy S. The Galaxy S6 family was undoubtedly a looker and tried to address many concerns users had about what had been previously, a stalled product lineup. Instead of introducing a new smartphone, Samsung delivered two of them: the Galaxy S6 and the Galaxy S6 Edge, with the latter proving to be the culmination of years of experimentation with flexible, curved screens. Both smartphones stood out from the crowd, but the Galaxy S6 was overshadowed by the S6 Edge, as the latter saw significantly more interest from consumers and the media alike. A year on and Samsung has learned from last year and tried to differentiate the two size smartphones as well as stature. The Galaxy S6 and S6 Edge were undoubtedly some of the best smartphones of 2015, but the question Samsung faces this year was how to make an already very good, even better smartphone. From further perfecting the design to improving features under the hood and addressing consumer concerns over the line last year, Samsung had some areas that could be improved to actually make the Galaxy S7 a show-stopping device. Does it offer, or is the Galaxy S7 a style case about substance? Here's what we want to find out – and more – in this complete review of the Samsung Galaxy S7. As introduced earlier this year, this review follows our new dual review format with two different members of the Android Authority reviewing the Galaxy S7 to provide the most comprehensive review possible. While I've put together the in-depth written review you'll find below, the previously embedded video was put together by Joshua Vergara. Through several meetings to discuss our results, together they combine to provide the most comprehensive review of the experience from two different perspectives. DesignWhile this year saw Samsung increase the screen size of the Galaxy S7 Edge, the Korean manufacturer has largely maintained the same design on the Galaxy S7. With no change in screen size or materials, the Galaxy S7 only aims to perfect the Galaxy S6 design, rather than revolutionizing it as we saw last year. Which is definitely not a bad thing; The Galaxy S6 was undoubtedly an amazing smartphone, although it was overshadowed by the Galaxy S6 Edge, and by changing the screen size on the Galaxy S7 Edge, Samsung has further ensured that sales of one of its new smartphones will not cannibalise the other's sales. Out of the shadow of his older brother, which have been made on the Galaxy S7, or is it a case of more of the same? At first glance, the Galaxy S7 certainly looks a lot like its predecessor, but Samsung has managed to sneak in some design improvements. First, the camera blow has been remarkably it barely stands out from the back; with the Galaxy S6, there was always a concern about putting it flat on its back, but with the Galaxy S7, this is no longer really a problem. Second, the Galaxy S7 is noticeably thicker and heavier than the Galaxy S6 at 7.9mm and 152 grams (versus 6.8mm and 138 grams). The added waist definitely helps grab the smartphone, and the extra thickness means Samsung has been able to cram in a larger battery, which we'll discuss later in this review. By far the biggest improvement in the user experience is the curved double rear, which was initially found on last year's Galaxy Note 5. Designed to make the smartphone more ergonomically friendly, the rear plate is similar to the curved front of the Galaxy S7 Edge (which also gains a curved double rear) and, combined with a metallic frame that sandwiches two glass plans, the Galaxy S7 is even nicer in hand than the Galaxy S6 was. The Galaxy S6 was undoubtedly a flashy smartphone and tweaks to the Galaxy S7 have made it even more enjoyable to use and maintain. Speaking to Josh, we both agree that: The Galaxy S7 is the most perfectly designed and perfectly created Samsung phone. Josh said that once you start grabbing and using the Galaxy S7, the handset feels smaller than it really is, and I have to agree with that. As a user accustomed to larger screens, such as those in the Galaxy Note range, for example, the Galaxy S7 sometimes feels too small for me, but that's a personal preference. Josh tends to disagree with me saying the smaller size makes the handset perfect for those who touch the guy, but we both agree that the Galaxy S7 is definitely the most comfortable experience on hand you'll get. If you're someone who's used to smaller displays or is moving from the iPhone, you'll probably find the Galaxy S7 is actually the perfect size for you. One of the biggest problems I encountered with last year's Galaxy S6 family was glass back as it was prone to attracting fingerprints, and although the company has introduced a new coating to reduce that, the Galaxy S7 is still quite prone to that. The glass finish also means that the Galaxy S7 can be quite slippery - though I haven't yet felt like it's going to slide out of your hand - but most people will keep their phone in a case of representing that, and the nature of the handset's fingerprint, a relatively moot point. Moving on to the rest of the Galaxy S7 and not much has changed over the past year. On the front you'll find Samsung's home button, which houses the fingerprint sensor, flanked by apps and rear keys. On the left you will find the volume keys, while on the right is the power button. At the top is the microSD and SIM card tray (later on) while at the bottom, it is the microUSB port. In an age when more smartphones are moving USB Type-C and all the benefits (and problems) it brings, Samsung has chosen to stick to the older but proven USB type. There are a couple of reasons behind this, not least the Gear VR, which the company has included free for most people who previously ordered their new smartphones. Also, USB Type-C hasn't reached the mainstream so far and most accessories still rock the oldest connection standard. As someone who has a few devices with the new USB standard, but a large collection of older microUSB cables, I can safely say that Samsung's decision to stick with microUSB certainly isn't a problem for me, and many people will probably agree with that--easily one of the best designed smartphones in the mobile worldOverall, the Galaxy S7 may look very similar to the Galaxy S6, but the company has made some tweaks to further refine its Galaxy S experience. DisplayOne's main reasons behind Samsung's meteoric rise to the top of the smartphone food chain is the company's vertical integration with other companies that make up the Samsung Group. On Samsung Display, Korean OEM has access to the world's largest viewing company and, as we've seen with previous smartphones, Samsung definitely knows how to use it in its favor. When it comes to screens, Samsung has shown over the years that its Super AMOLED display on the Galaxy S7 continues this trend, offering vibrant and heavily saturated colors, dark ink black and brightness that makes the screen readable even in the brightest conditions. As someone who has got used to Samsung screens on smartphones, I can say that the Galaxy S7 is a joy to use, even if it seems to be a lot on the Galaxy S6. As the ad says: if it doesn't break, why try to fix it? One change found in the Galaxy S7 is the new Always On Display, which seems to be a trendy word we'll hear a lot more in 2016. Possibly a software feature unlike related hardware, the feature is still related to AMOLED technology, which allows Samsung to illuminate the individual pixels needed for this feature. This is in contrast to LCD displays, which would require an OEM to turn on the entire screen, and this means that the Always On Display has very little impact on battery life. The Always On Display may seem to be quite useful but once you dig into it, there isn't much substance to the function. For now, it's limited to displaying information from Samsung's own apps at a glance, but once Samsung opens the feature to more developers, hopefully you can see information from apps like Hangouts or WhatsApp (and hopefully, any app that chooses to support the feature). At the moment, the Always On screen is useful for viewing the time at a glance or seeing your calendar – there's an option to display an image, but that doesn't make sense in my opinion, but if the feature grows useful with usage, it depends on Samsung. The good news is that, if you don't need the always on display, Samsung makes it easy to turn it off in the settings menu. One area of the screen that has been drastically changed from previous years is how the Galaxy S7 manages brightness. Josh and I agree that - unlike previous devices - the brightness slider is very responsive and indicative of brightness. To this effect, moving the slider to the far left turns the brightness too low to make the screen readable (even in dark conditions) so you have to micro manage the brightness much more than it did in previous years. Personally I have also noticed that automatic brightness from time to time may take a little longer than expected to adjust to changes in ambient lighting. While other smartphones seem to provide a minimal brightness of nits that the screen can be rejected from, Samsung lets you get off to almost nothing, and on average, you need to leave your brightness around 35-40% inside for the screen to be readable. Overall, the Galaxy S7 display certainly live up to previous Samsung devices, and while tweaks in brightness responsiveness and the addition of an Always-on-Screen screen slightly change the experience, it remains one of the best smartphone screens on the market. Performance and hardwareOne of the most controversial parts of the Galaxy S7 is Samsung's choice to offer two different versions with fairly different processors. Last year, the company chose to power only all versions of the Galaxy S6 with its own Exynos 7420 chipset - as a cause of the negative stigma associated with the Snapdragon 810 - but this year, company has returned to its previous convention of offering different chipsets. A tale of two chipsetsMost users who buy the Galaxy S7 will buy one powered by one 8 Octa (8890) – consisting of a 2.6GHz four-core mongoose and a 1.6GHz four-core cortex-A53 – paired with a Mali-T880 GPU and 4GB RAM. However, if you're in the U.S. or China, you'll get a Snapdragon 820 - consisting of a twin-core 2.15GHz Kryo - dual-core 1.6GHz Kryo - along with an Adreno 530 GPU and 4GB RAM. On paper, the two processors are very different, with one being an octa-core and the other, a quad-core, but what about actual usage? A particular chipset offers a significant advantage over the other, and what about differences in gpu? To illustrate the differences and establish which version has the upper hand, we have run a number of benchmark tests on both versions of the Galaxy S7, including AnTuTu, 3DMark and GeekBench 3. Galaxy S7 - Exynos Galaxy S7 - SnapdragonKicking our tests with GeekBench 3, you can see the Exynos version achieved a single-core score of 2063 and a multi-core score of 6267, while the Snapdragon version scored 2269 and 5156 respectively. No wonder the Exynos version has the upper hand for the multi-core score, considering that it is an octa-core chipset versus a four-core configuration in the Snapdragon version. As for a single core, the Snapdragon version has the upper hand, even if it's not for much, but overall results show that performance should be comparable between the two versions of the Galaxy S7. This is just a benchmark, so, moving to AnTuTu, let's check if the CPU performance is really that close between the two versions. As you can see, the Exynos version scored 128429, while snapdragon's version scored slightly higher than 129375. It's worth noting that the other main processor in this year's Battle of the Chipsets - the Kirin 950 that powers the Mate 8 - scored 92746. Galaxy S7 - Exynos Galaxy S7 - SnapdragonBetween AnTuTu and GeekBench, we get a pretty good understanding that both the Exynos and the Snapdragon, the versions of the Galaxy S7 certainly have a similar CPU performance. What about the GPU, we hear you ask? Galaxy S7 - Exynos Galaxy S7 - Snapdragon3DMark shows that while cpu performance is certainly very similar, there is a much greater discrepancy in the Graphics Processing Unit's performance. The Mali-T880 GPU within the Exynos version scored a respectable 2168, but the Adreno 530 GPU in the Snapdragon performed notably better with a score of 2528. While it may be disheartening to see the Mali-T880 GPU fighting the Snapdragon, it's worth remembering that these scores are still far higher than last year's flagships. As benchmarks, the Nexus 6P scores 1577, the Note 5 gets 1220 and the Galaxy S6 scores 1215, from that this year's performance is still far superior to the most recent flagships offered on the market. Overall, the Snapdragon Snapdragon the handset is technically superior to the Exynos version, but in actual day-to-day use, it is highly unlikely that you'll notice notice noticeable differences. Both versions are exceptionally agile in all day-to-day tasks and the Exynos version of the Galaxy S7 is capable of powering a Gear VR with no graphics problems at all. Both models are fast, fluid and offer everything you want from a flagship phone, with the only slight delay coming in the TouchWiz launcher (though we'll touch it later). If you're wondering about whether these phones overheated - which was a bit of a small problem last year - we can say that no version of the handset has a problem here. Samsung says it has included a liquid cooling pipe that takes heat away from crucial innates in order to keep it cool. While we can't test it thoroughly, we can safely say that while your phone can warm up under heavy games, it doesn't get to a point where you have to worry. From processor differences to other changes, and the Galaxy S7 sees the return of two features that were ominously left out of Samsung's flagships last year. The return of the microSDWith doubts, one of the biggest disappointments of the Galaxy S6 line was Samsung's decision not to offer expandable storage. Long seen as a company that would continue to deliver the expansion of microSD and removable batteries on its smartphones at a time when its rivals were moving away from doing so, the Galaxy S6 disappointed many users. On the Galaxy S7, however, Samsung has tried to correct one of last year's biggest user concerns and the expansion of the microSD card now makes a return. Last year, Samsung offered its smartphones in three storage flavors, but this year most markets will only offer the 32GB version. Samsung isn't making a 128GB version of the Galaxy S7, probably as the 128GB Galaxy S6 barely sells thanks to its extremely high price tag, and even the 64GB version is a rarity, so allowing you to expand the 32GB storage base almost became a necessity. The Galaxy S7 runs on Android Marshmallow, which leads with the new adoptable storage option, but before you get too excited, it's worth noting that Samsung has left this feature off the Galaxy S7. As Andrew Grush puts it in our Galaxy S7 Edge review: For unintentional and adoptable storage, it basically takes your microSD card and your internal storage and combines them into a single pool, automatically installing and other files wherever the operating system sees fit. With this adoptable storage, the memory card is basically locked to this device and this is one of the reasons why Samsung officially claims to leave out the feature. However, there is good news, like Paul Paul of MoDaCo, revealed that it is actually possible to enable this feature on the Galaxy S7. Instead of turning it off completely, Samsung hid the option in the settings and with some ADB tinkering, you can re-enable the option. Of course, not everyone wants to power ADB, so we can also confirm that you can also transfer many of the apps



on the Galaxy S7 to the microSD card. It's certainly not the same as being able to join the two to have even more storage, but it's a welcome alternative that you're not comfortable with with your smartphone. Like other Samsung smartphones, you can still hotly switch microSD cards by simply removing the tray (after ejecting the memory card, of course) and then reinsert the new one. What about the SIM card we hear from you? Well, the Galaxy S7 is also the first Samsung smartphone that lets you hotly switch your SIM card, meaning you can change SIMs and pick up coverage again without restarting your phone. This won't affect most users, but for someone who changes SIM cards quite often, this is definitely a welcome feature to have. Protection from accidental spillsProbably, the worst nightmare of all smartphone owners is accidentally dropping the phone in a toilet, in a puddle, in the pool or elsewhere that liquid comes in and wreaks havoc. After all, liquids and electronics don't mix, do they? Along with microSD, Samsung chose to remove water resistance from its Galaxy S6 line, well kind of. Although the main Galaxy S6 family did not have this feature, the company made a Galaxy S6 Active that offered the substance of the Galaxy S6 in a redesigned body. This year, however, the company has managed to include water resistance on both the Galaxy S7 and the Galaxy S7 Edge. The Galaxy S7 is ip68 rated, meaning it would have to handle being submerged in water up to 1 meter for up to 30 minutes. Before jumping from the deep end, however, we do not recommend that you take this swimming or try to throw it into the sea, but the function will provide protection if the worst should happen. For example, you should be covered if you spill a drink on your phone, end up in the sink or drop it onto the toilet. However, it's worth noting that while water resistance is internal, the Galaxy S7 uses a joint inside the phone and the board seal breaks when you remove the microSD/SIM card tray. So, if your SIM tray isn't firmly inserted into your phone, you may find that you end up with a water-damaged phone and it's highly unlikely that the manufacturer's warranty will cover you if that happens. Fingerprint scannerOne of the improvements in phones last year saw Samsung move away from the fingerprint sensor based on sliding on the Galaxy S5 to a more traditional touch type sensor that is much more accurate Fast. The Galaxy Note 5 bought even more improvements to the speed and reliability of the sensor and although the sensor appears to be the same as it was found on phones last year, I find it much more refined. I found that the fingerprint sensor is faster to recognize a fingerprint and unlock the handset and, unlike both, the Note 5 and the Galaxy S6, I haven't had any problems with it not reading my fingerprint at the first attempt. Speakers, connectivity and the restThis changes and improvements aside, there is very little else that is different under the hood of the Galaxy S7, since, like the screen, Samsung has chosen to simply adjust the performance. A particular complaint with past Samsung devices is the company's approach to RAM management, which many have said is quite aggressive, but with the Galaxy S7, there have been no particular problems to consider. Of the 4GB RAM included in the handset, 515MB is reserved by the system (and is not presented in any RAM test), while average available ram is between 750MB and 1.5GB depending on the apps being run. Like last year, the Galaxy S7 also has a speaker mounted at the bottom and, although many found it to be mediocre on the Galaxy S6, Samsung has not been able to make any improvements in this department this year. Poor speaker performance may be a waterproofing product, but equally, the speaker is a typical Samsung speaker that doesn't compare to most smartphones on the market. As with previous years, the speaker is something he will have to compromise on behalf of all the other features the Galaxy S7 has to offer. One particular feature we like is Samsung is raising awareness that the Galaxy S7 supports USB On-The-Go, just outside the box. Included in retail packaging is an adapter that lets you connect the Galaxy S7 to another android microUSB smartphone to transfer your media easily, but this same adapter lets you connect a hard drive to your smartphone. Along with microSD, there really are a multitude of ways that you can expand onboard storage. Also under the hood is LTE Cat 9 support, which means it can be downloaded on the fly at speeds of up to 450Mbps. Since most mobile networks currently only support speeds of up to 300Mbps, this means that the Galaxy S7 is tested in the future against the next generation of mobile network deployment. In some tests, I managed to reach maximum speeds of 150Mbps, which is the maximum network SIM card theorist I'm using on my Galaxy S7. One for geeks for sure, but if this is important to you, it's certainly good to know. Overall, Samsung it has certainly made some interesting changes to the hardware under the hood of the Galaxy S7 this year. The decision to return to the more familiar strategy of two processors is certainly not without its critics, but the addition of expansion, on-the-go USB support and IP68 resistance make the Galaxy S7 one of the most feature-packed smartphones on the market. Battery LifeArgument one of the biggest disappointments with last year's Galaxy S6 line was battery, as Samsung scrapped the removable battery and gave users strict battery capacity as well. At 2550mAh, the Galaxy S6 battery struggled to make it anywhere near full-day use, and although the Galaxy S6 Edge and the Galaxy S6 Edge Plus had larger batteries: 2600mAh and 3000mAh respectively; the situation was far from ideal. This year, however, Samsung has increased battery capacity, but does it do well, and does the Galaxy S7 have enough juice in the tank to power you for an entire day or more? Simply put, it definitely does. At 3000mAh, the battery of the Galaxy S7 is 17.64% larger than the Galaxy S6 and, along with optimizations in the power efficiency of the new processor, this means it can deliver anywhere from 3.5 to 5 hours Screen on Time (SoT) single-charge depending on your usage. Digging further into battery life, Josh and I noticed some discrepancies though this is probably due to differences in our use. Josh regularly got 4 to 5 hours SoT while my usage – which involved a fair amount of phone calls – saw me normally drop between 3.5 hours and 4.5 hours SoT. In order to gain a somewhat more technical understanding of battery life - and also measure whether there was any difference between the Snapdragon and Exynos versions - we powered the pckmark battery test working. This test recommends users calibrate the brightness to 200 cd/m², in order to provide a fair comparison with other results, but we decided to turn off automatic brightness and put brightness to the maximum. Our reasoning was that this will hopefully give you a worst-case scenario of what to expect from the Galaxy S7 battery. Our results for the Exynos version suggest a working battery life of 6 hours and 22 minutes, while snapdragon's version scores an even higher, 7 hours and 2 minutes. By way of comparison, the Galaxy S7 Edge scores 6 hours and 49 minutes for the Exynos variant and 6 hours and 40 minutes for the snapdragon version. While the Snapdragon Galaxy S7 seems to have the edge, the results suggest that battery life is still more than satisfactory on any model. Interestingly, our worst-case battery life tests live up to the optimal average tests for the Galaxy S6, showing how far the battery life has come; although the battery is larger, the gains are much higher than the 18% additional capacity would suggest. For those wondering how the Galaxy S7 would have an optimal level of Average PCMark scores reveal better average battery life for exynos version, which enters 8 hours and 8 minutes while Snapdragon Snapdragon enters an equally respectable 7 hours and 22 minutes. This suggests that octa-core processor efficiencies make a difference over average one-day usage, but whatever version you opt for, you can rest aure that poor battery life is definitely not a concern. The Exynos model averages 8 hours and 8 minutes, while the Snapdragon averages 7 hours and 22 minutes. If you need to reach a charger, as you've largely used your phone, you can be sure that Samsung has included Quick Charge 2.0 in both variants of the Galaxy S7. Yes, it's 2.0 and 3.0 but that's not necessarily a bad thing, as there's very little difference in the loading speeds between the two. Samsung claims that the Exynos model can charge up to 50% in less than 30 minutes and in my tests, I would say this is accurate, with an average charge of 40 to 48% in the allotted time. Trying this over, the battery can take up to 2 hours to load fully but generally, it will be charged in about 1 hour and 30 minutes. There is very little difference in the charging speed between using Samsung's adaptive adaptive charger (which is included in the box) or a generic Qualcomm Quick Charge 2.0 charger, although the former appears to be ever that fast. Like the Galaxy S6 family, both variants of the Galaxy S7 also support fast wireless charging, but that's where I've felt a little disappointed. From the Galaxy S6 to the Galaxy Note 5, Samsung certainly improved wireless charging times, but with the Galaxy S7, the company doesn't seem to have made any gains. Usually full battery charging empty using a Samsung wireless charging pad (which was designed for the Galaxy S6 Edge Plus mind) takes between 3 and 4 1/2 hours, although the wireless charging pad designed for the Galaxy S7 can improve that speed. CameraPrior at the launch of the Galaxy Note 4 in late 2014, Samsung's smartphone cameras were average at best, but then came a new era of smartphone cameras for Korean OEM. Possibly one of the best smartphones Samsung has ever released, the Note 4 bought with it the first Android camera that was universally recognized as the best class in the smartphone market. Last year, Samsung built on this, with exceptional cameras built into both, the Galaxy S6 line and the Galaxy Note 5, and in the latter, we had a smartphone camera that, while with some failures, could be relied upon to always capture a scene. However, while other manufacturers - such as HTC and even Apple - had focused on providing larger pixels with lower megapixel counts, Samsung stuck to their weapons delivered quality through a greater amount of pixels, so far this is. Following the lead of the Nexus 6P, which trades a higher megapixel count for a larger pixel size and therefore much lower performance: the Galaxy S7 drops the it counts from 16MP (on the Galaxy S6) to 12MP, but leads with other improvements. These include a f/1.7 aperture lens (versus f/1.9 last year), optical image stabilization, autofocus phase detection, LED flash and dual pixel technology. On paper, falling pixels may lead you to believe that the camera is actually worse, but as we all know, there is more to the cameras than just the pixel count. Is the new camera better than last year though? In a few rural – yes and no; it depends a lot on what you expect from your smartphone's camera. I personally found that the camera is more than satisfying on the Galaxy S7 in good lighting, but at the same time, it's not as sharp as last year's smartphones. The drop in the number of pixels has also seen Samsung increase the amount of noise reduction, resulting in slightly less sharp images than it might be used to in Samsung's cameras. Without HDR With HDRHDR on smartphones Samsung has previously been quite blunt, but the company has made it more subtle on the Galaxy S7, resulting in a less profound effect on global images. That said, it still works well to retrieve the details of the shadows and smooth out the blown areas of the image so it remains a very effective way to have them in your arsenal. While daylight images have potentially taken a slight drop, the Galaxy S7 really shines in low light mode. Thanks to the larger size of pixels: the Galaxy S7 now has sports pixels with a size of 1.4µm versus 1.2µm in its predecessor: fast-lightening autofocus and dual-pixel technology, Samsung has been able to deliver excellent low-light quality to the Galaxy S7 camera. In most low light conditions, you'll definitely be happy with the camera on the Galaxy S7, but with little extreme light, there seems to be a yellow tone thrown through the images, along with overexposed highlights and lots of noise reduction. Optical image stabilization does a good job of helping improve low-light global images and, in all the most extreme conditions, you'll find the Galaxy S7 camera to be fairly reliable. On the video side, there rear camera comes equipped with Ultra HD 4K video recording and OIS helps keep videos relatively stable. The captured audio is mostly crisp and clear and overall, there is nothing worth bearing in mind about video capture performance. The front camera is the same 5MP camera found on last year's Galaxy S6 but, like the rear camera, it has been treated to a wider aperture: again, it's now f/1.7 of f/1.9 last year. Selfie images are relatively good quality and Samsung's skin tone feature – which is similar Beauty mode found on other phones – does well to smooth the texture of the skin and make it look younger. There is also a wide selfie mode, which is nothing more than a glorified panorama for the front camera, and this allows you to capture more of the or fit more people into your image. Before trying to take a selfie on stage at the Oscars, however, it's worth noting that there's some very obvious stitching in the selfie panorama so that the images aren't as sharp as maybe they might have been. A nice particular feature in the front camera – as Josh points out – is that you can shoot QHD video using the front camera, instead of Full HD on past devices (even if you were technically able to shoot QHD). Overall, the Galaxy S7 camera is probably one of the biggest changes compared to last year's phones and brings with it both positive and negative. The daylight images have had a slight drop, but the low performance of light has been treated to considerable gains. All things considered, I should say that the Galaxy S7 has a very reliable camera that is definitely up to, if not better, than the camera on past Galaxy smartphones. SoftwareWhile the Galaxy S6 and Galaxy S6 Edge were recognized for achieving a noticeable change in Samsung's design philosophy, last year's flagships were less recognized for their software. However, in the few months since the Galaxy Note 4 was released, Samsung had tried to revolutionize not only its hardware but also its software, and the Galaxy S6 family was a sign of Samsung's new approach to software. For many years, TouchWiz has had a particularly bad stigma attached to it, and rightly so, since the interface was intelligent, slow and lacking in anything remotely similar to optimization. However, the Galaxy S6 family was quite the opposite of that and signed up for a new era where TouchWiz was, well, nothing like TouchWiz before that. In 2015, Samsung cut out large amounts of the preloaded apps and features (i.e. bloatware) that made their smartphones slow, toned down the amount of annoying tutorials and delivered an out-of-box experience that was surprisingly enjoyable to use. As someone who has used Galaxy smartphones for several years, last year's transformation was certainly impressive, and on the Galaxy S7, Samsung has continued to optimize its software. Surprisingly, the Galaxy S7 runs on Android 6.0.1 Marshmallow out of the box, and brings an experience that is quite similar to the Marshmallow update for the Galaxy S6 family. With a sensible design, TouchWiz on the Galaxy S7 sees how Samsung drops the bright colors and shades of old TouchWiz blue and green, and replaces them with shades of blue and gray that are more pleasing to the eye, and infinitely less likely to alienate users who don't the company's color scheme. Samsung has also improved user interface animations to make them snappy and more responsive and the overall experience feels like someone other than Samsung actually created it. Both, the Galaxy S6 family and the Galaxy Note 5, 5, were reports that Samsung was aggressively managing RAM by shutting down apps, but with the Galaxy S7, this seems to be a thing of the past. Yes, there are certainly areas of the launcher suffering from mid stuttering that have become synonymous with TouchWiz, and there is a slight delay in sliding towards Upday (international) or Flipboard (USA), but overall, TouchWiz is fast, responsive and a pleasure to use. Instead of focusing on every individual feature that TouchWiz has to offer (and doing this review thousands more words than it already is), we plan to explore the software in more detail - and its evolution in recent years - in an in-depth feature approach that will come to you in the coming weeks. That said, there are some features we wanted to focus on, and most of these are coming back from last year's phones, albeit with some (welcome) tweaks and improvements. Theming just got a lot betterWith the launch of the Galaxy S6 family, Samsung introduced a new Themed engine that allowed it to customize the look and feel of its smartphone without too much fuss or hassle. However, as we covered at the time, the number of themes available was certainly very scarce and the engine of the theme was more of promise for the future than a feature we would use heavily in the present. Fast forward a year and the theme store is a very different place now with hundreds of different themes to choose from. If you're a stock Android fan, there are themes that will turn your handset into an experience more akin to something outside of Silicon Valley than Korea. Lifestyle lover, obsessed with travel, interested in sights or just want some funny animals on screen? There are tons of them and more – although it's certainly not perfect, the themed engine has grown leaps and bounds since last year, and there's no reason to believe this won't continue for the foreseeable future. Smart DialerThe bookmark included in TouchWiz is by far my favorite marker across any Android OEM skin. The bookmark allows you to set speed spheres, display suggested contacts while typing numbers (or letters they represent) and you can automatically scan unknown numbers to tell you if they are known marketing or spam calls. If you don't want to answer a call, it's easy enough to reject them and send them a predefined message, or even shoot them a personalized message. In general, if you like making phone calls (like me), then the scoreboard is certainly an experience you'll enjoy. The multitaskingMultitask has recently become an area that every OEM has tried to improve, including Google more recently with the preview of the Android N, but Samsung's implementation is by far the most polished on Android. Through a couple of buttons in the recent applications menu, you can split two windows side by side, but my favorite feature is the quickly convert almost all applications into a floating window that overlays anything else you are doing on the operating system. Unlike other OEMs, Samsung's multi-window feature is supported by a ton of third-party apps, and while there are some that don't support the floating window or split screen (in certain games), most apps you use on your phone should be supported for this feature. On the Galaxy S7, the floating window appears to be more responsive and drag content between windows in split screen mode has had some welcome improvements under the hood as well. Overall, Samsung definitely does multitask tasks well and on the Galaxy S7, the experience has been further refined. Samsung PayMobile payments certainly isn't a new feature, but the last twelve months has seen this market growth gain even more attention from OEMs. Apple introduced Apple Pay and bought mobile payments from mainstream consumers, and then both Samsung and Google, have followed up with Samsung Pay and Android Pay respectively. As Lanh explains in the video below however, Samsung Pay has a key advantage over the competition, but it's not perfect yet. Smart Manager Prior to the TouchWiz review last year, Samsung's user interface had several smart features that allowed you to control items like RAM and battery, but these spread throughout the operating system. On the Galaxy S6 (and onwards, including the Galaxy S7), these features have been combined into the new Smart Manager app, which makes it easy to see relevant information about various features of your smartphone. From killing different apps in the RAM manager to removing unnecessary data to free up space in the storage manager, there's a lot you can do with the Smart Manager app. In addition, a whole section dedicated to battery allows you to customize power usage, turn on power saving or ultra power saving modes and access battery usage information. You probably won't use Smart Manager that often, but it's a powerful tool to have on your phone and for the power user, it's probably used quite often. Gameplay Tools While the features above have been purchased from previous Galaxy smartphones, the Galaxy S7 introduces some new features. TouchWiz on the Galaxy S7 brings with it a new Game Launcher and accompanying game tools. The first of these puts all your games in a special folder and allows you to launch games quickly, turn off notifications and turn on power saving mode while playing. However, game tools are likely to be much more useful because it allows a small icon that overlays the game on the from the screen (quite discreetly to be said), and expanding it allows you to turn off alerts, block recent apps and backkeys behind, minimize the gameplay, take a screenshot or even record your playback screen. The real usefulness of these it depends on how much of a player you are (and whether you've been affected by any of the problems you intend to solve), but for me, I've found them very helpful. Specifically, I always tend to hit recent apps or back keys during a game so being able to close them is certainly welcome, as you're not being bothered by notifications. If you're someone who likes to showcase your playing skills, the screen logging feature makes it incredibly simple to share your biggest hits in the game. Galaxy Labs: Personalization runs deep Do you know the old ad about how companies should learn from their customers? Well, with its Galaxy Labs, Samsung aims to do so, allowing Galaxy users to experiment with features and ideas they have and vote on whether they like it or not. By far the most interesting of these (and probably the most controversial) is the ability to turn off the app drawer on your Galaxy S7. When enabled, this removes the app drawer and returns the TouchWiz launcher to one more similar to the iPhone, or even LG's new LG G5. There's been a lot of talk recently about whether Google's upcoming Android N update will see the app drawer being removed from Android, and even though this isn't yet confirmed (given that the app drawer is present in the new preview , there is no denying that Samsung is testing the waters here. Most users probably won't use this feature but it's there if you want to try it out. However, it's worth mentioning that the Galaxy Labs option has been removed from the Verizon and T-Mobile branded phones, and has probably been removed from all of the carrier's branded models in the US, although international users should find the feature in tact. TouchWiz : The verdictA galaxy user for a long time, the transformation of TouchWiz in recent years has certainly been fierce, and with the Galaxy S7, Samsung has only tried to further hone the experience. Although there is ever such a slight delay in the launcher loading the home screen news service, the rest of the experience is fast, snappy and very sensitive. Personally, I have to say that this iteration of TouchWiz is probably the best Samsung has ever offered, and while it's certainly not perfect – that user interface is after all – there's a lot to like about TouchWiz. For many users, the idea of TouchWiz brings with it many bad memories from previous generations, but I can say with a great degree of certainty, that Samsung has completely reworked its software since the Galaxy S5 and many of the concerns that users had, should no longer be present. Gallery Conclusion While the Galaxy S6 and the Galaxy S6 Edge were about Samsung's smartphone wallet revolution, the company has been fixated on refining this year's experience. Did he make it? Most definitely. On the face of it, the Galaxy S7 may not seem like a major update for Galaxy S6, but the few tweaks Samsung has made have been in the right place and the contrast between the two phones might not be stark. Although I really enjoyed the Galaxy S6 last year, I felt the handset's deficiencies were enough to be a deal breaker, but the Galaxy S7 is almost perfect in many ways. The Galaxy S7 greatly eclipses the perfect smartphoneConsidering the overall package, there is very little you could complain about. In fact, the only thing users might not be too happy about is the lack of a removable battery, but improvements in power efficiency, coupled with additional battery capacity, really make this a moot point. In fact, I would go so far to say that there is nothing I would change as - screen size aside, which is certainly a personal thing - the Galaxy S7 very epitomised the perfect smartphone. Josh and I agree, that Samsung's modest small changes have shown us what could be the perfect smartphone. Josh brings it further by saying: In the era of micro USB, Samsung could only have shown what the perfect smartphone might look like and in doing so, they have been able to show us, what could be the ultimate evolution of this era of smartphones. However good as the Galaxy S7 is, the question remains where Samsung is going from here. While the Galaxy S7 seems to be the perfect handset for the market as it is, we're seeing a new era of smartphones attached, with USB Type-C and modular designs firmly on the radar of most companies. Until then, however, Josh puts it best when he says: He might just have one of the best smartphones available here on the Galaxy S7. And that is the conclusion; tracking a good smartphone is certainly no easy feat, but Samsung has certainly shown us that it is more than capable of doing so. For me, personally, the Galaxy S7 offers what is by far the best smartphone experience on the market to date, but with much of the year - and many more flagships - yet to come, we'll see if it still tops the smartphone stack come the end of the year. What do you think of the Galaxy S7 and plan to buy one? Is the Galaxy S7 Edge plus your cup of tea, or maybe even the LG G5? Check our hands with LG's latest flagship, and our full review of the Galaxy S7 Edge and let us know your opinions in the comments below! Next: The Best Galaxy S7 Accessories Accessories

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