Samsung s20 5g vs iphone 11















Samsung s20 fe 5g vs iphone 11. Samsung s20 5g vs iphone 11 which is better. Iphone 11 vs samsung s20 fe 5g vs iphone 11 pro max.

Line of high-end Android smartphones by Samsung Electronics It has been suggested that Samsung Galaxy S20 Tactical Edition be merged into this article. (Discuss) Proposed since March 2022. Samsung Galaxy S20+Samsung Galaxy S20 UltraSamsung Galaxy S20 FE 2022From left to right S20 FE, S20, S20+, and S20 Ultra.CodenameWobbleBrandSamsung GalaxyManufacturerSamsung ElectronicsSloganChanging PhotographySeriesGalaxy SModelInternational models: SM-G985x (S20+ 5G)SM-G985x (S20+ 5G)SM-G9 international models)Japanese models:SCG01 (au, S20 5G)SC-51A (NTT Docomo, S20 5G)SC-52A (NTT Docomo, S20 + 5G)SC-52A (NTT Docom 02)PredecessorSamsung Galaxy S10SuccessorSamsung Galaxy S21RelatedSamsung Galaxy Note 20Samsung Galaxy Z FlipTypeSmartphoneForm factorSlateDimensions S20: 151.7 mm × 7.9 mm (5.97 in × 2.72 in × 0.31 in) S20+: 161.9 mm × 73.7 mm × 7.8 mm (6.37 in × 2.90 in × 0.31 in) S20 Ultra: 166.9 mm × 76 mm × 8.8 mm (6.57 in × 2.99 in × 0.35 in) S20 FE/S20 FE 2022: 159.8 mm × 74.5 mm × 8.4 mm (6.29 in × 2.93 in × 0.33 in) Mass S20: 163 g (5.7 oz) S20+: 186-188 g (6.6-6.6 oz) S20 Ultra: 220-222 g (7.8-7.8 oz) S20 FE/S20 FE 2022: 190 g (6.7 oz) Operating systemOriginal: Android 10 with One UI 2.1 Android 12 with One UI 4.1 (S20 FE 2022) Upgradable: Android 12 with One UI 4System on chipEurope, UAE, India, Indonesia and UAE), America (except SM-G780G) and 5G: Qualcomm Snapdragon 865CPU Exynos: Octa-core (2x2.73 GHz Mongoose M5, 2x2.60 GHz Cortex-A76 and UAE), America (except India, Indonesia and UAE), America (except SM-G780G) and 5G: Qualcomm Snapdragon 865CPU Exynos: Octa-core (2x2.73 GHz Mongoose M5, 2x2.60 GHz Cortex-A76 and 4x2.0 GHz Cortex-A55) Snapdragon: Octa-core (1x2.84 GHz, 3x2.42 GHz and 4x1.8 GHz) Kryo 585 GPUExynos: Mali-G77 MP11Snapdragon: Adreno 650Memory S20 & S20+: 8/12 GB LPDDR5 S20 FE: 6/8 GB LPDDR5 S20 S20 FE: 128/256 GB UFS 3.1 S20 FE 2022: 128 GB UFS 3.1 S20 FE/S20 FE 2022: 128 GB UFS 3.1 Removable storageS20, S20+, S20 Ultra, S20 FE/S20 FE 2022: 4500 mAh ChargingUSB PD: S20 Ultra: 45W (PPS), 15W (non-PPS) S20/S20+: 25W (PPS), 15W (non-PPS)DisplayS20, S20+, and S20 Ultra: 3200×1440 1440p Dynamic AMOLED 2X Infinity-O capacitive touchscreen, Gorilla Glass 6, HDR10+, 120 Hz refresh rateS20 FE: 2400×1080 1080p Super AMOLED Infinity-O capacitive touchscreen, Gorilla Glass 3 HDR10+, 120 Hz refresh rateS20: 6.2 in (157 mm), 563 ppiS20+: 6.7 in (170 mm), 525 ppiS20 Ultra: 6.9 in (175 mm), 511 ppiS20 FE/S20 FE 2022: 6.5 in (165 mm), 407 ppiSoundDolby Atmos stereo speakers tuned by AKGRear camera S20: 12 MP, f/1.8, 26mm (wide), 1/1.76", Dual Pixel PDAF, OIS + 64 MP, f/2.0, 78mm (telephoto), PDAF, OIS, 3x hybrid optical zoom + 12 MP, f/2.2, 13mm (ultrawide), AF, Super Steady Video S20+: In addition to above: 0.3 MP ToF 3D (depth) S20 Ultra: 108 MP, f/3.6, 102mm, 1/2", 0.8 µm (periscope telephoto), PDAF, OIS + 48 MP, f/3.6, 102mm, 1/2", 0.8 µm (periscope telephoto), PDAF, OIS + 48 MP, f/3.6, 102mm, 1/2", 0.8 µm (periscope telephoto), PDAF, OIS + 48 MP, f/3.6, 102mm, 1/2", 0.8 µm (periscope telephoto), PDAF, OIS + 48 MP, f/3.6, 102mm, 1/2", 0.8 µm (periscope telephoto), PDAF, OIS + 48 MP, f/3.6, 102mm, 1/2", 0.8 µm (periscope 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& stereo sound recording, gyro-EISFront camera S20 and S20+: 10 MP, f/2.2, 26mm, 1/3.2", 1.22µm, Dual Pixel PDAF S20 Ultra: 40 MP, f/2.2, 26mm (wide), 1/2.65", 0.7µm, PDAF S20 FE/S20 F FE 2022: 32 MP, f/2.0, 26mm (wide), 1/2.74", 0.8µm, PDAF All: Dual video call, Auto-HDR, 4K@30/60fps, 1080p@30fpsConnectivityBluetooth 5.0Wi-Fi b/g/n/ac/ax3G/LTE/5GData inputsSensors: Accelerometer Barometer Fingerprint scanner (ultrasonic) Pressure sensor Magnetometer Gyroscope Hall sensor RGB light sensor Other: Physical sound volume keys USB-C Water resistanceIP68, up to 1.5 m (4.9 ft) for 30 minutesWebsitewww.samsung.com/global/galaxy/galaxy-s20-5g/References[2] The Samsung Galaxy S20 is a series[3] of Android-based smartphones designed, developed, marketed, and manufactured by Samsung Electronics as part of its Galaxy S series.[4][5] They are series and the series of t collectively serve as the successor to the Galaxy S10 series. The first three smartphones were unveiled at Samsung's Galaxy Unpacked event on 11 February 2020 while the Fan Edition model was unveiled at Samsung's Galaxy Unpacked event on 11 February 2020 while the Fan Edition model was unveiled at Samsung's Galaxy Unpacked event on 11 February 2020 while the Fan Edition model was unveiled at Samsung's Galaxy Unpacked event on 23 September 2020.[6][7][8][9][10] The S20 series[3] consists of the flagship Galaxy S20 and Galaxy S S20+ models differentiated primarily by screen size, the larger camera-focused model, the Galaxy S20 Ultra, and the cheaper flagship model, in addition to improved specifications, include a display with a 120 Hz refresh rate, an improved camera system supporting 8K video recording (7680×4320) for the first three models and a super-resolution zoom of 30-100x, depending on the model.[12][13] The first three phones were released in the United States on 6 March 2020[14] and in Europe on 13 March 2020, while the Fan Edition was released globally on 2 October 2020. The Galaxy S20 FE, S20, S20+, and S20 Ultra launch prices started at \$699, \$999, \$1,199 and \$1,399, respectively. It is the first smartphone lineup to receive USB fast-charger certification from the USB Implementers Forum (USB-IF).[15][16] In May, a rugged variant for military use named "Tactical Edition" was released. The Galaxy S20 was succeeded by the Galaxy S21, which was announced on 14 January 2021.[17] History The title of the phone was originally presumed to be the Galaxy S10. However, successive leaks in January 2020 revealed the title of the phone to be the Galaxy S10. However, successive leaks in January 2020 revealed the title of the phone to be the Galaxy S10. However, successive leaks in January 2020 revealed the title of the phone to be the Galaxy S10. However, successive leaks in January 2020 revealed the title of the phone to be the Galaxy S10. However, successive leaks in January 2020 revealed the title of the phone to be the Galaxy S10. 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Commentators remarked that by February, "most everything the company is planning to introduce has already leaked out."[19] In addition to charts on the phone's specifications, marketing material and images of the phones themselves in real life were leaked.[20] Design Back of a S20 Plus The Galaxy S20 series has a design similar to the Samsung Galaxy Note 10, with an Infinity-O display (first introduced on the Galaxy S10) containing a circular punch-hole in the top center this time for the frontal selfie camera. In a departure from past Galaxy S designs, the rear camera array is not centered, but located in the corner with a rectangular protrusion similar to that of the iPhone 11 and the Google Pixel 4. The S20 and S20FE houses three cameras while the S20+ has four cameras in the bump, while the S20 Ultra houses four cameras in a larger bump.[21] S20 phones sold in Europe had news aggregator upday in partnership with Axel Springer SE preinstalled, triggering notifications.[22] [23] Global color options for the first three phones are Cloud Pink, Cloud White, Cloud Blue, Cosmic Grey and Cosmic Black while the Fan Edition has Cloud Lavender, Cloud Mint, Cloud Mint, Cloud White, Cloud White, Cloud White, Cloud White, Cloud Red, and Cloud Orange. Cosmic Grey is available in all size variants except for the S20 FE, while Cosmic Black is limited to the S20+ and S20+, and Cloud Pink is exclusive to the S20. For the S20+, Prism Blue, is exclusively sold in Korea, Best Buy in the United States and through T-Mobile, Samsung Nederland and Tele2 in the Netherlands, while Aura Red is exclusive to Korea Telecom, Vodafone UK, Malaysia, [24] and United Arab Emirates [25] Cloud White availability varies by country; in the United States it is exclusive to Verizon for the S20 with Ultrawide Band support. The S20 is sold in Italy, the S20+ is sold in Italy and Spain, and the S20 Ultra is sold in China and Germany. [26] In June 2020, Verizon released the Galaxy S20 5G UW (Ultra Wideband). Differences from the S20 include the addition of mmWave, only 8 GB of RAM (compared to the usual 12 GB), and no microSD slot.[27][28] Moreover, Samsung released the Galaxy S20+ 5G BTS Edition in the summer of 2020, with the color "Haze Purple."[29][30] Specifications; international models of the S20 utilize the Exynos 990 system-on-chip, while the U.S., Canadian, Korean, Chinese and Japanese models utilize the Qualcomm Snapdragon 865. Display A 1440p "Dynamic tone mapping" technology with the exception of the S20 FE which utilizes a more traditional 1080p "Super AMOLED" display with HDR10+ support and "dynamic tone mapping" technology. The S20, S20 FE, and S20+ have a 6.2-inch, 6.5-inch, and 6.7-inch display, respectively, while the S20 Ultra has a 6.9-inch display. Except for the S20 FE, displays have curved sides that slope over the horizontal edges of the device. All devices utilizes a wider 20:9 aspect ratio in addition to a 120 Hz refresh rate double that of the S10.[a] The S20, S20+, and S20 Ultra utilizes a more traditional optical in-screen fingerprint sensor. Storage The base amount of RAM is 6 GB with an additional optical in-screen fingerprint sensor. Storage The base amount is 8 GB, with an additional 12 GB option for the S20 & S20+ and a 16 GB option for the S20 Ultra. 128 GB of internal storage is standard with the S20 FE offering a 256 GB option while the S20+ & S20 Ultra also offers 256 GB and 512 GB options, with up to 1 TB of expansion via the microSD card slot.[1] Verizon's Galaxy S20 5G UW model is not equipped with a microSD slot.[1] Models Galaxy S20 Galaxy S20 Galaxy S20+ Galaxy S20 Ultra Galaxy S20 FE RAM Memory RAM Memory RAM Memory RAM Memory Variant 1 8GB 128GB 8GB 128GB 128 non-removable 4000 mAh, 4500 mAh, 4500 mAh, and 5000 mAh Li-Po batteries respectively, and Qi inductive charging is supported at up to 25W for the S20, S20 FE, & S20+ and 45W for the S20 Ultra.[32] They support reverse charging at 4.5W.[33] Connectivity. The S20 series comes with 5G standard connectivity, though some regions may have special LTE variants. However, only Verizon models are compatible with higher-speed millimeter-wave networks.[34] The 3.5 mm audio jack has been omitted entirely.[35] Cameras Models Galaxy S20 FE Galaxy S20 Galaxy S20 + Galaxy S20 Ultra Wide Specs 12 MP, f/1.8, 26mm, 1/1.76", DPAF, OIS 108 MP, f/1.8, 26mm, 1/1.76", DPAF, OIS 108 MP, f/1.8, 26mm, 1/1.33", PDAF, OIS 108 MP, f/2.2, 15mm, 1/3.1", Fixed Focus 12 MP, f/3.1", Fixed Focus 12 MP, f 13mm, 1/2.55", Fixed Focus Model Samsung S5K3L6 Samsung S5K2LA Telephoto Specs 8 MP, f/2.4, 76mm, 1/4.5", PDAF, OIS (4x zoom) 64 MP, f/2.4, 70mm, 1/3.24", DPAF, OIS (4x zoom) Model SK Hynix HI-847 Samsung S5K3L6 Samsung S5K3L6 ToF Specs - (640 x 480) 307.2 KP Model Sony IMX516 Front Specs 32 MP, f/2.2, 26mm, 1/2.74", Fixed Focus 10 MP, f/2.2, 26mm, 1/3.24", DPAF 40 MP, f/2.2, 26mm, 1/2.8", PDAF Model Sony IMX374 Samsung S5KGH1 The cameras on the Galaxy S20 series improved considerably over its predecessors, although unlike the S9 and S10, the aperture on the main lens is fixed. While the megapixels of the main and ultra wide sensors remained unchanged on the S20 and S20+, the telephoto sensor received some improvements. The 64-megapixels on the new telephoto sensor received some improvements. The 64-megapixel telephoto sensor received some improvements. instead of 12 megapixels at two times on the S10 and 30 times digitally (branded as "Super-Resolution Zoom"). The S20+ receives a time-of-flight sensor (branded as "DepthVision Camera") in addition to the regular S20's cameras. The Galaxy S20 Ultra has a guadruple lens setup that supports 4X optical zoom and 100X digital zoom, with a 108megapixel wide image sensor, a 12-megapixel ultra-wide sensor and a 48-megapixel periscope telephoto sensor accompanied by a time-of-flight sensor. Both the wide-angle and telephoto sensor use pixel binning to output higher quality images at a standard resolution, with the wide-angle sensor using Nonacell technology which groups 3x3 pixels to capture more light.[37] The front camera is able to record video footage at 2160p.[38] A new camera mode was introduced called Single Take, which allows users to capture photos or videos at the same time with different sensors automatically.[26] The S20, S20+, and S20 Ultra can also record 8K videos at 24 fps with a bit rate of 80 Mbps,[38] which will consume about 600 MB of storage per minute.[39] On the S20 and S20+, this is enabled by the 64 MP telephoto sensor, whereas the S20 Ultra's 108 MP wide sensor natively supports 8K video. Supported video modes: 8K@24fps (not available for the S20 FE) 4K@30/60fps 1080p@30/60fps 1080p@240fps 720p@960fps (720p480fps upscale to 720p960fps on S20 Ultra) All models can record at 720p30, 1080p30 or 4k30 with HDR10+, they can record at 720p30, 1080p30 or 4k30 with HDR10+, they can record at 720p30, 1080p30 or 4k30 with HDR10+, they can record with HEVC codec without HDR10+, they can record at 720p30, 1080p30 or 4k30 with HDR10+, they can record at 720p30, 1080p30 or 4k30 with HDR10+, they can record at 720p30, 1080p30 or 4k30 with HDR10+, they can record with HEVC codec without HDR10+, they can record with HEVC codec without HDR10+, they can record at 720p30, 1080p30 or 4k30 with HDR10+, they can record at 720p30, 1080p30 or 4k30 with HDR10+, they can record with HEVC codec without HDR10+, they can record with HEVC codec without HDR10+, they can record at 720p30, 1080p30 or 4k30 with HDR10+, they can record at 720p30, 1080p30 or 4k30 with HDR10+, they can record with HEVC codec without HDR10+, they can record with HEVC codec without HDR10+, they can record at 720p30, 1080p30 or 4k30 with HDR10+, they can record with HEVC codec without began releasing the Android 11 update with One UI 3 to all models.[41] Software support On 18 August 2020, Samsung revealed that all variants of the S20 series would be supported for three generations of Android software updates.[42] Known issues This article may lend undue weight to certain ideas, incidents, or controversies. Please help improve it by rewriting it in a balanced fashion that contextualizes different points of view. (January 2021) (Learn how and when to remove this template message) Even before the general release, reviewers have seen autofocus and skin smoothing issues with the cameras, especially with the Galaxy S20 Ultra. Samsung is working on a fix,[43][44] but the Exynos model continues to have autofocus issues after an update that was supposed to fix them.[45] Galaxy S20 Ultra can only record at 720p960fps, Galaxy S20 and S20+ can record at 720p960fps, Galaxy S20 and S20+ can record at 720p960fps.[46] Users have reported that the Snapdragon version has GPS lock issues.[47] The Exynos model is also known to have heating issues.[45] Some devices also suffer from green display tint issues after a software update.[48] The camera glass has been reported instances of the Galaxy S20 FE suffering from touchscreen issues such as "ghost" touches and jittery movement when scrolling or zooming. Samsung attempted to fix the issue with several updates.[51] Some users in India reported that after being updated to One UI 4.01, a vertical line started appearing on the front display. These devices were out of warranty and Samsung India concluded it was user error. They charged around 16,000 INR to those users who were looking for a screen replacement. Around a thousand affected users tweeted about it asking for help and others decided to take legal action. Samsung India has still failed to acknowledge this issue. [52] [53] Notes ^ Users can choose to run the device at either 60 Hz or 120 Hz with 60 Hz mode being the default option, however 120 Hz mode only supports FHD+ resolution.[31] ^ The camera's optical zoom factor is actually 1.06x, and uses cropping and processing algorithms to achieve the claimed 3x factor.[36] See also Digital zoom § iZoom Samsung Galaxy S20, S20+ and S20 Ultra 5G Samsung US". Samsung Electronics America. 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