I'm not a bot

If youre having issues with your Samsung Galaxy Tab A tablet, resetting it may be the best solution if youre out of other options. Resetting your tablet can help fix software glitches and improve the overall performance of your device if its gotten sluggish. However, do understand that resetting your tablet will erase all of your data, so youll want to back up any important files before proceeding. Lets review how to factory reset your Samsung Galaxy Tab A series tablet.How to soft reset a Galaxy Tab ACurtis Joe / Android AuthoritySoft resetting a Samsung Galaxy Tab A series tablet entails turning the device all the way off, then turning it back on again. This resets the background tabs and memory, as well as anything else that was running on your device before it shut off. This is different than tapping the power button, which just puts the device in a latent sleep state. Its also different from factory resetting your tablet, as all of your previous information, content, and storage is left untouched.To soft reset your Samsung Galaxy Tab A series tablet:Press and hold the power button.From the options that appear after roughly three seconds, selectPower off.Alternatively, you can keep holding down the power button until the device shuts off completely. From there, just press and hold the power button to turn the device on again.How to factory reset a Galaxy Tab ACurtis Joe / Android AuthorityTypically, on most modern Android devices, you would go toSettings > About device / General management > Factory reset. However, this option isnt available for all devices.If you acquired your Galaxy Tab A from a service provider or if youve actually forgotten your password youll need to factory reset your tablet another way.Press and hold the power button on your device. From the subsequent options, selectPower off. Alternatively, you can keep holding the power button until the device shuts off.Once your tablet is powered down, press and hold thepower buttonandvolume up. These physical buttons are typically found on the side of your device.This will bring up theAndroid Recovery screen. Use the volume buttons to navigate down toWipe data/factory reset and use the power button to select it.Use the power button to selectFactory data reset.After your device has finished factory resetting, navigate toReboot system now and use the power button to select it.What happens when you factory reset a Samsung Galaxy A series tabletCurtis Joe / Android AuthorityFactory resetting your Samsung Galaxy A tablet will wipe all data saved to the storage on the device. This includesContacts,Email accounts,message history,accounts,system and app data, apps and app settings, and anysaved media.Basically, your device will return to the way it was when you first opened it up out of the box. It will basically become a brand new device in terms of not having anything stored on it. SamsungSamsung Galaxy ASamsung Galaxy TabTu Samsung Galaxy Tab comienza a funcionar de forma extraa, se bloquea, ha dejado de responder o necesitas eliminar toda la informacin personal antes de venderla? Realizar un reseteo a modo fbrica, tambin conocido como hard reset o restablecimiento de datos, puede ser la solucin definitiva. Esta gua te explica con el mximo detalle los diferentes mtodos para restablecer tu Samsung Galaxy Tab a los ajustes originales, las precauciones importantes antes del proceso y recomendaciones para cada caso. Cundo y por qu resetear a modo fbrica el Samsung Galaxy Tab?El procedimiento de reseteo de fbrica resulta til en diferentes situaciones. Si experimentas errores tras la instalacin o desinstalacin de aplicaciones, el sistema va demasiado lento, la tableta se bloquea de forma continua, no responde a los comandos tctiles, has olvidado el patrn de desbloqueo o la contrasea, o antes de una transferencia o venta, dejar la tablet como recin salida de fbrica es lo ms seguro. Este proceso elimina por completo la informacin personal y arregla problemas derivados de archivos corruptos, software defectuoso o malware persistente. Antes de comenzar: Precauciones esenciales y copia de seguridadRealizar un hard reset borrar toda la informacin almacenada en el dispositivo. Esto incluye aplicaciones, fotos, vdeos, documentos, contactos, mensajes, cuentas configuradas, msica y cualquier archivo que no est en una tarjeta externa. Por eso, es imprescindible hacer una copia de seguridad previa de aquellos datos que no deseas perder. Puedes utilizar las opciones de Google Drive, el servicio Samsung Cloud, mover tus archivos a un PC usando cable USB, o bien utilizar aplicaciones especializadas como MobileTrans Respaldo Mvil. Si tienes dudas sobre cmo realizar el respaldo de tus datos, en el men de ajustes de tu tablet hallars la seccin Cuentas y respaldo o Copia de seguridad y restauracin. Contactos: Sincronzalos con tu cuenta de Google, exporta el archivo vCard o utiliza aplicaciones de respaldo.Fotos y vdeos: Cpialos a tu PC, nube o SD externa.Conversaciones y mensajes: Apyate en apps como SMS Backup & Restore o utiliza la copia de seguridad de Google.Notas y documentos: Utiliza Google Keep, OneDrive o exporta manualmente. Desvincula cuentas como Google, Samsung y otras antes de resetear, especialmente si planeas vender o regalar la tablet, para evitar bloqueos por seguridad (FRP Factory Reset Protection). Mtodo 1: Restablecimiento de fbrica desde el men de ajustes (soft reset)Si tu Samsung Galaxy Tab responde y puedes acceder al men de Android, esta es la forma ms sencilla y segura. Los pasos pueden variar ligeramente segn la versin de Android y modelo, pero generalmente son:Entra en Ajustes.Ve a Administracin general o Gestin general (en versiones anteriores, puede llamarse Privacidad).Pulsa en Restablecer.Selecciona Restablecer datos de fbrica o Restablecer valores de fbrica.Revisa la informacin sobre los elementos que se borrarn y pulsa en Restablecer dispositivo o Borrar todo.Introduce tu patrn, PIN o contrasea si te lo solicita.Confirma que deseas proceder. La tablet se apagar y reiniciar, realizando el proceso.Tras unos minutos, la Galaxy Tab reiniciar y mostrar la pantalla de configuracin inicial. Mtodo 2: Hard reset usando los botones fsicos (si la tablet est bloqueada o no responde)Si el sistema o la pantalla tctil no responden, puedes restablecer tu Samsung Galaxy Tab usando los botones fsicos del dispositivo. Este mtodo es til si has olvidado la clave, existe un fallo grave o Android no arranca:Apaga la Galaxy Tab por completo. Si no responde, mantn pulsado el botn de encendido hasta que se apague.Pulsa y mantn simultneamente el botn subir volumen y el botn encendido. (En algunos modelos, debes usar tambin el botn de inicio si est disponible).Cuando aparezca el logo de Samsung o el men de recuperacin de Android, suelta los botones.Utilizando los botones de volumen, navega por el men hasta wipe data/factory reset (borrar datos/restablecer configuracin de fbrica).Selecciona esta opcin usando el botn de encendido para confirmar.En la siguiente pantalla, selecciona Yes (s) o Confirmar, tambin con el botn de encendido.Una vez terminado el borrado, vuelve al men de recuperacin y selecciona Reboot system now (reiniciar el sistema ahora).La tablet se reiniciar y tendrs que configurarla como la primera vez que la encendiste. Este mtodo elimina cualquier bloqueo de contrasea o patrn, pero borra toda la informacin interna y aplicaciones instaladas. Mtodo alternativo: Reseteo suave (soft reset) para resolver pequeos fallos sin prdida de datosA veces un reseteo suave o reinicio simple puede resolver problemas menores como aplicaciones que no abren, lentitud ocasional o fallos temporales. Este procedimiento no borra datos y consiste simplemente en mantener pulsado el botn de encendido hasta que aparezca el men, y seleccionar Reiniciar. En modelos sin men, basta con apagar y volver a encender la Galaxy Tab.Cmo resetear una Samsung Galaxy Tab si olvidaste la contrasea o patrnSi has olvidado completamente la clave de acceso o el patrn, tu nica opcin ser el hard reset por botones que explicamos antes. Recuerda eliminar previamente, si puedes, la cuenta de Google desde otro dispositivo para evitar el bloqueo FRP. Si tras el factory reset se te solicita la ltima cuenta sincronizada, introduce tus credenciales originales.Recomendaciones de seguridad antes y despus del hard resetResetea tu Galaxy Tab cuando no exista otra alternativa y hayas intentado previamente soluciones como limpiar la cach, desinstalar aplicaciones problemticas o reiniciar el dispositivo. Tras la restauracin de fbrica, recuerda:Actualiza el sistema operativo si hay nuevas versiones disponibles para una mayor seguridad y rendimiento.Reinstala solo las aplicaciones necesarias y desde la tienda oficial Google Play para evitar malware o software defectuoso.Reconecta tus cuentas y restaura la copia de seguridad, si tienes una, para recuperar datos personales, fotos y contactos.Personaliza de nuevo los ajustes de seguridad, conectividad y notificaciones segn tus necesidades. El hard reset soluciona todos los problemas?El restablecimiento de fbrica resuelve la mayora de problemas relacionados con software, bloqueos, errores graves o infecciones leves de malware. Sin embargo, si despus de resetear tu Samsung Galaxy Tab los fallos continan, pueden deberse a averas de hardware, problemas con la batera, pantalla defectuosa o daos en la placa. Tambin hay malware avanzado que puede sobrevivir a un factory reset, aunque es muy raro. En tales casos, acude a un servicio tcnico profesional especializado en Samsung Galaxy Tab.Herramientas y utilidades para hacer copia de seguridad antes del reseteoAntes de realizar cualquier reseteo, asegrate de emplear alguna de estas opciones para respaldar tu informacin:Google Drive: Permite guardar contactos, fotos, vdeos, aplicaciones y configuracin en la nube.Samsung Cloud: Alternativa nativa para hacer backup de la mayora de tus datos, restaurable tras el reseteo.Cable USB al PC / Mac: Copia manualmente las carpetas de imgenes, documentos y archivos importantes a tu ordenador.Tarjeta microSD: Transfiere archivos a una tarjeta externa para restaurarlos fcilmente despus.Aplicaciones especializadas: Herramientas como MobileTrans ayudan a respaldar y restaurar los datos de forma integral.Recuerda que los datos eliminados tras el hard reset no pueden recuperarse a menos que hayan sido respaldados previamente.Qu hacer si el reseteo falla o la tablet no carga el sistema tras el hard reset?En raras ocasiones el proceso puede fallar o dejar la tablet en un bucle de arranque. Si ocurre, intenta nuevamente el procedimiento por botones. Si el problema persiste, ponte en contacto con el soporte tcnico de Samsung o visita un servicio especializado. No intentes instalar software externo o realizar procedimientos avanzados si no tienes experiencia, ya que podras agravar los daos.Recursos adicionales para usuarios de Samsung Galaxy TabSi eres poseedor de una Samsung Galaxy Tab, estos enlaces te sern de utilidad para conocer a fondo tu dispositivo, aprender a sincronizarlo o consultar ms tutoriales especficos: Si este artculo te ha sido til para restaurar tu Samsung Galaxy Tab o resolver problemas de funcionamiento, comparte en tus redes sociales y djanos tus preguntas o experiencias en los comentarios. As, ayudas a otros usuarios y enriqueces la comunidad. No dudes en explorar nuestras guas para Android para profundizar en el mantenimiento, optimizacin y soluciones para tu dispositivo. In the fast-paced world of technology, devices often require resetting to optimize performance, clear out bugs, or prepare them for a new owner. If youre a Samsung Tab A user and wondering how to conduct a factory reset, youre in the right place. This comprehensive guide walks you through everything you need to know about resetting your device effectively. Understanding Factory ResetBefore diving into the procedures, its important to understand what a factory reset entails. A factory reset, also known as hard reset or master reset, wipes all the data from your device, returning it to its original system state as designed by the manufacturer. This process can help solve various issues such as sluggish performance, persistent bugs, or software crashes. Note: Factory resetting your Samsung Tab A will erase all personal data, settings, and downloaded apps. It is highly recommended to back up your data before proceeding. When Should You Factory Reset Your Samsung Tab A?Factory resetting is a powerful tool, but its not always the first solution to a problem. Here are some scenarios when a factory reset may be warranted:Experiencing frequent crashes or apps not responding properly.Planning to sell or give away your device and want to ensure all personal data is erased.Devices infected with malware that refuses to be removed.After extensive troubleshooting for general performance issues.Backing Up Your DataBefore performing a factory reset, its essential to back up your data to avoid losing important files. Here are a few methods:Using Samsung CloudSamsung offers a built-in backup feature via Samsung Cloud. To use this:Open Settings.Tap on Accounts and backup.Select Backup and restore.Choose Back up data and select the items you want to back up.Using Google DriveGoogle Drive is another option for backing up important files:Open the Google Drive app.Tap on the + button and select Upload.Choose the files or folders you want to back up.How to Factory Reset Your Samsung Tab A Using SettingsOnce your data is safely backed up, follow these steps to initiate a factory reset through your device settings:Step-by-Step GuideOpen Settings: Locate the gear icon on your home screen or app drawer.Select General Management: Scroll down and tap on the General Management option.Choose Reset: In the General Management menu, tap on Reset.Factory Data Reset: Choose Factory data reset from the list.Read the Information: Review the information provided. This screen displays what will be erased during the reset.Tap Reset: After reading the warnings, tap on the Reset button.Confirm Your Choice: If prompted, enter your PIN or password, then tap on Delete All.Your Samsung Tab A will now start the factory reset process. This may take a few minutes, after which the device will reboot automatically.How to Factory Reset Your Samsung Tab A Using Hardware ButtonsIn some cases, you may not be able to access the settings menu (for instance, if the device is frozen). In these situations, you can perform a reset using hardware buttons. Heres How to Do ItTurn Off Your Device: Hold down the power button and select Power off.Enter Recovery Mode:Press and hold the Volume Up and Power buttons simultaneously until the Samsung logo appears.Release both buttons when you see the Android logo or the recovery menu.Navigate the Menu: Use the volume keys to navigate through the recovery menu.Select Wipe Data/Factory Reset:Highlight the Wipe data/factory reset option using the volume buttons.Confirm your choice by pressing the Power button.Confirm Factory Reset: Highlight Yes to confirm the action and press the Power button again.Reboot the Device: After the reset is complete, highlight the Reboot system now option and confirm your choice with the Power button.Your Samsung Tab A will restart, and it should be restored to its factory settings.Post-Reset SetupAfter your Samsung Tab A has been reset, you will need to set it up as if it were a new device. Heres what you should expect:Initial StepsSelect Your Language: Choose your preferred language from the list.Connect to Wi-Fi: Youll be prompted to connect to a Wi-Fi network to proceed.Sign in to Your Google Account: If you had backed up your data to Google Drive, you can restore your apps and settings here.Set Up Security Features: Choose to set up security features such as a PIN, password, or biometric recognition.Add Samsung Account: If you use Samsung services, signing in to your Samsung account will allow you to restore data from Samsung Cloud.Restoring Your DataIf you opted to back up your data before the reset, you can restore it after setting up the device. Follow the prompts to restore from Google Drive or Samsung Cloud during the setup process.Common Issues After Factory ResetWhile a factory reset typically solves many software-related problems, there are instances where users face difficulties. Here are some common issues along with solutions:Device Stuck on Boot ScreenIf your device experiences a boot loop or remains stuck on the Samsung logo, here are steps to resolve it:Force Restart: Hold the power button until the device restarts.Re-enter Recovery Mode: Follow the steps mentioned previously to access recovery mode and perform a factory reset again.Apps Not InstallingIf applications are not downloading from the Google Play Store after a reset, it could be due to a caching issue. Clear Cache and Data of Google Play Store:Go to Settings > Apps > Google Play Store.Tap on Storage, then choose Clear cache and Clear data.ConclusionFactory resetting your Samsung Tab A is a straightforward process that can significantly improve your devices performance or help maintain your privacy when transitioning ownership. Whether you opt for the software or the hardware method, following the steps outlined in this guide will steer you through the reset process seamlessly.By understanding the importance of backing up your data and knowing how to navigate both the settings and recovery modes, you can ensure that resetting your device goes smoothly. Should complications arise, knowing how to address common post-reset issues can save you from unnecessary frustration. Embrace your freshly reset device and enjoy a clean slate with your Samsung Tab A!What is a factory reset and why would I need to do it on my Samsung Tab A?A factory reset, also known as a hard reset, restores your Samsung Tab A to its original factory settings. This process erases all data, including your personal files, applications, and settings. You might consider performing a factory reset if your device is experiencing prolonged software issues, such as frequent crashes, sluggish performance, or if youre planning to sell or give away the tablet.Before doing a factory reset, its crucial to back up all important data, including photos, contacts, and documents. You can use cloud services like Google Drive or Samsung Cloud for backups. This ensures that you wont lose any valuable information during the reset process.How do I perform a factory reset on my Samsung Tab A through the settings menu?To initiate a factory reset via the settings menu, start by opening your Tablets Settings application. Scroll down and tap on General Management, then select Reset from the available options. You will see several types of resets, so choose Factory data reset. This will bring you to a screen displaying the information that will be erased during the process.Review the information carefully, as it outlines what data will be deleted. If youre ready to proceed, tap on Reset followed by Delete All. Your tablet will restart, and the factory reset process will begin. It may take a few minutes for the reset to complete, after which you can set up your device as if it were brand new.Can I do a factory reset using hardware buttons if my device is unresponsive?Yes, if your Samsung Tab A is unresponsive and you cannot access the settings menu, you can perform a factory reset using hardware buttons. To do this, turn off the device completely. Once its off, simultaneously press and hold the Volume Up button and the Power button until the Samsung logo appears on the screen. Then release both buttons.Once you are in the Android Recovery menu, use the Volume buttons to navigate to Wipe data/factory reset and select it using the Power button. Confirm your choice by selecting Yes to begin the factory reset. After the process completes, choose Reboot system now to restart your device.Will a factory reset remove my personal information from the device completely?Yes, performing a factory reset on your Samsung Tab A is designed to delete all personal information stored on the device. This includes photos, videos, music, apps, and even your account settings. Essentially, it restores the tablet to its original state, as it was when it first came out of the box.However, its important to note that a factory reset does not erase content that may be stored in your online accounts or on external storage. Be sure to disconnect or log out of your accounts, such as Google or Samsung, before performing the reset. This precaution can help ensure that your data is fully protected before you pass on your device or troubleshoot persistent issues.How can I back up my data before performing a factory reset?To back up your data on a Samsung Tab A, you can use various methods including Samsung Cloud, Google Drive, and external storage solutions. Start by connecting your tablet to Wi-Fi and going to Settings. Tap on Accounts and Backup and select Backup and Restore. Here, you can choose to back up your data to Samsung Cloud for easy accessibility.Alternatively, you can manually back up your files by connecting your tablet to a computer and transferring data such as photos and documents. Another option is to use a third-party app that specializes in data backup. Whichever method you choose, make sure all important data is saved and secure before proceeding with the factory reset.What should I do if my Samsung Tab A doesnt reset properly?If your Samsung Tab A does not reset properly, you might want to try the process again. First, ensure that your device has sufficient battery lifeideally, it should be above 50% for stability. If using the hardware buttons, repeat the steps carefully to access the Android Recovery menu and attempt the factory reset once more.If the device continues to have issues after the reset, consider reaching out to Samsung Support or visiting an authorized service center. There could be underlying hardware or software problems that require professional assistance. Additionally, ensure that your tablets firmware is up to date, as system updates can fix bugs and enhance overall stability. Nota:Este contenido de ayuda es aplicable a productos comprados en tiendas de Colombia. Si necesitas ayuda para los productos comprados en Espaa o Latinoamrica, contacta con tuSubsidiaria local de Samsung En la mayora de los casos las fallas de sistema en una Tablet son ocasionadas por aplicaciones de terceros o configuraciones propias del sistema Android. Puedes corregir esto restableciendo el equipo a sus valores por defecto.Igualmente siempre es recomendable realizar este proceso si vas a enviar tu tablet Galaxy a reparar o si la vas a regalar a un amigo o familiar. Antes de realizar un restablecimiento de fbrica, asegrate de hacer una copia de seguridad de tus datos personales, para no perderlos todos.Debes tener la contrasea de la cuenta Samsung en caso de tener una configurada en la Tablet.Se requerir una conexin de red para cerrar sesin en tu cuenta Samsung antes de poder completar el restablecimiento.Si tienes una cuenta de Google en el dispositivo, te recomendamos eliminarla antes de restablecer la Tablet. Paso 1.Ingresa en los Ajustes de la Tablet y selecciona Administracin general, luego pulsa sobre la opcin Restablecer. Paso 2. Pulsa sobre la ltima opcin Restablecer valores predeterminados. Paso 3. Revisa la informacin y toca Restablecer. Paso 4. Selecciona Eliminar todo. Paso 5.Si tienes configurado un bloqueo de seguridad, se te solicitar que ingreses las credenciales.Paso 6. Desde all, se te pedir que ingreses la contrasea de tu cuenta Samsung si has agregado una cuenta Samsung.Paso 7. Tu dispositivo se reiniciar; cuando se vuelva a encender, comenzars desde la pantalla de configuracin inicial. Si no puedes restablecer tu dispositivo debido a que no recuerdas la contrasea de tu cuenta Samsung, o tienes problema con el nmero registrado en la cuenta para la verificacin en dos pasos. Pulsa el botn que corresponda a tu caso para obtener ms informacin. Recuperar contrasea Verificacin en dos pasos Contctanos va WhatsApp para que nuestros expertos puedan brindarte una solucin. Tablet computer series by SamsungThis article is about the Galaxy Tab series. For the original model known as the Samsung Galaxy Tab, see Samsung Galaxy Tab 7.0."Samsung tablets" redirects here. For the Google branded tablet made by Samsung, see Nexus 10.Samsung Galaxy TabFront of the Samsung Galaxy Tab tablet PCManufacturerSamsung ElectronicsProduct familyGalaxy Tab S (flagship) Galaxy Tab A (mid-range)TypeTablet computer seriesRelease date5November 2010; 14 years ago(2010-11-05)Operating systemAndroidSystem on a chipSamsung Exynos (from 20102019) Nvidia Tegra (from 20112012) Intel Atom (from 20132016) Qualcomm Snapdragon (from 2012present) MediaTek Helio and Dimensity (from 2021present) Unisoc[1](from 2016present)InputTouch screenBook Cover KeyboardS PenTouchpadIncluded on Tab S series' Book Cover KeyboardRelatedSamsung Galaxy Z seriesSamsung Galaxy NoteWebsitewww.samsung.com/us/tablets/The Samsung Galaxy Tab logo until 2015The Samsung Galaxy Tab (stylized as SMSUNG Galaxy Tab) is a line of Android OS tablet computers produced by Samsung Electronics. The first model was the Samsung Galaxy Tab 2010 with 7-inch display, which was presented to the public on 2 September 2010 at the IFA in Berlin and was available on 5 November 2010.[2] Since then several models have been released, including models with 7.7, 8.9 and 10.1-inch displays. The Wi-Fi versions of the tablet include a GPS system, and the 3G/4G/5G tablets add cellular capability.As of 2024[update], the current products are the Galaxy Tab S at mid-range to flagship level, the Galaxy Tab A in the entry-range, and the Galaxy Tab Active at the mid-range rugged. The flagship tablets support the S Pen. Release timeline2010Samsung Galaxy Tab 7.02011Samsung Galaxy Tab 7.0 PlusSamsung Galaxy Tab 7.7Samsung Galaxy Tab 8.9Samsung Galaxy Tab 10.12012Samsung Galaxy Tab 2 7.0Samsung Galaxy Tab 2 10.12013Samsung Galaxy Tab 3 7.0Samsung Galaxy Tab 3 8.0Samsung Galaxy Tab 3 10.12014Samsung Galaxy Tab 3 lite 7.0Samsung Galaxy Tab 4 7.0Samsung Galaxy Tab 4 8.0Samsung Galaxy Tab 4 10.1The original Galaxy Tab series was the first line of Samsung tablets. Initially, it was the flagship line of tablets before being relegated to mid-range upon the release of the Galaxy Tab 2 series. It was later split into four separate lines: the Galaxy Tab S series for high-end tablets, the Galaxy Tab Active series for mid-range rugged tablets, the Galaxy Tab A series for mid-range tablets, and the Galaxy Tab E series for entry-level tablets. Further changes saw the A series repositioned to entry-level and the S series extended to mid-range.Samsung Galaxy Tab 7.0Samsung Galaxy Tab 7.0 PlusSamsung Galaxy Tab 7.7Samsung Galaxy Tab 8.9Samsung Galaxy Tab 10.1Samsung Galaxy Tab 2 7.0Samsung Galaxy Tab 2 10.1Samsung Galaxy Tab 3 7.0Samsung Galaxy Tab 3 8.0Samsung Galaxy Tab 3 10.1Samsung Galaxy Tab 3 Lite 7.0Samsung Galaxy Tab 3v 7.0Samsung Galaxy Tab 4 7.0Samsung Galaxy Tab 4 8.0Samsung Galaxy Tab 4 10.1Samsung Galaxy Tab 4 EducationRelease timeline2014Samsung Galaxy Tab Pro 8.4Samsung Galaxy Tab Pro 10.1Samsung Galaxy Tab Pro 12.220152016Samsung Galaxy Tab Pro SThe original Galaxy Tab Pro devices, released in 2014, were a series of three high-end tablets running the Android operating system. These tablets would be succeeded by the Galaxy Tab S series. In 2016, Samsung released another device in the Tab Pro line, the Galaxy TabPro S, although that tablet ran Windows 10 instead of Android. It was succeeded by the Samsung Galaxy Book the following year.Samsung Galaxy Tab Pro 8.4Samsung Galaxy Tab Pro 10.1Samsung Galaxy Tab Pro 12.2Samsung Galaxy TabPro SRelease timeline2014Samsung Galaxy Tab S2015Samsung Galaxy Tab S220162017Samsung Galaxy Tab S32018Samsung Galaxy Tab S42019Samsung Galaxy Tab S5eSamsung Galaxy Tab S62020Samsung Galaxy Tab S6 LiteSamsung Galaxy Tab S7Samsung Galaxy Tab S7+2021Samsung Galaxy Tab S7 FE | Fan Edition2022Samsung Galaxy Tab S8Samsung Galaxy Tab S8+Samsung Galaxy Tab S8 UltraSamsung Galaxy Tab S6 Lite 20222023Samsung Galaxy Tab S9Samsung Galaxy Tab S9+Samsung Galaxy Tab S9 UltraSamsung Galaxy Tab S9 FESamsung Galaxy Tab S9 FE+2024Samsung Galaxy Tab S6 Lite 2024Samsung Galaxy Tab S10+Samsung Galaxy Tab S10 Ultra2025Samsung Galaxy Tab S10 FESamsung Galaxy Tab S10 FE+The Galaxy Tab S series is Samsung's mid-range to flagship tablet line, running the Android operating system and mirroring the Galaxy S series of smartphones.Samsung Galaxy Tab S 8.4Samsung Galaxy Tab S 10.5Samsung Galaxy Tab S2 8.0Samsung Galaxy Tab S2 9.7Samsung Galaxy Tab S3Samsung Galaxy Tab S4Samsung Galaxy Tab S5eSamsung Galaxy Tab S6Samsung Galaxy Tab S6 LiteSamsung Galaxy Tab S6 5GSamsung Galaxy Tab S7Samsung Galaxy Tab S7+Samsung Galaxy Tab S7 FE | Fan EditionSamsung Galaxy Tab S8Samsung Galaxy Tab S8+Samsung Galaxy Tab S8 UltraSamsung Galaxy Tab S6 Lite 2022[3]Samsung Galaxy Tab S9Samsung Galaxy Tab S9+Samsung Galaxy Tab S9 UltraSamsung Galaxy Tab S9 FESamsung Galaxy Tab S9 FE+Samsung Galaxy Tab S6 Lite 2024[4]Samsung Galaxy Tab S10+Samsung Galaxy Tab S10 UltraSamsung Galaxy Tab S10 FESamsung Galaxy Tab S10 FE+This section needs to be updated. Please help update this article to reflect recent events or newly available information. (December 2016)Release timeline2015Samsung Galaxy Tab A 8.0 (2015)Samsung Galaxy Tab A 8.0 (2015) & S PenSamsung Galaxy Tab A 9.7 (2015)Samsung Galaxy Tab A 9.7 (2015) & S Pen2016Samsung Galaxy Tab A6 7.0 (2016)Samsung Galaxy Tab A 10.1 (2016)2017Samsung Galaxy Tab A 8.0 (2017)2018Samsung Galaxy Tab A 8.0 (2018)Samsung Galaxy Tab A 10.5 (2018)2019Samsung Galaxy Tab A 8.0 (2019)Samsung Galaxy Tab A 8.0 Kids (2019)Samsung Galaxy Tab A 8.0 (2019) & S PenSamsung Galaxy Tab A 10.1 (2019)2020Samsung Galaxy Tab A 8.4 (2020)Samsung Galaxy Tab A7 10.4 (2020)2021Samsung Galaxy Tab A7 Lite (2021)Samsung Galaxy Tab A7 Kids (2021)2022Samsung Galaxy Tab A8 10.5 (2022)2023Samsung Galaxy Tab A9 8.7 (2023)Samsung Galaxy Tab A9+ 11 (2023)The Galaxy Tab A series is a low-end (previously mid-range) tablet line, mirroring the Galaxy A series of mid-range smartphones.Samsung Galaxy Tab A 8.0Samsung Galaxy Tab A 9.7Samsung Galaxy Tab A 7.0Samsung Galaxy Tab A 10.1Samsung Galaxy Tab A 8.0Samsung Galaxy Tab A 10.5Samsung Galaxy Tab A 10.1Samsung Galaxy Tab A 8.0Samsung Galaxy Tab A 8.4Samsung Galaxy Tab A7Samsung Galaxy Tab A7 LiteSamsung Galaxy Tab A8Samsung Galaxy Tab A9Samsung Galaxy Tab A9+Samsung Galaxy Tab A9 Kids EditionSamsung Galaxy Tab A9+ Kids EditionRelease timeline2014Samsung Galaxy Tab E 8.4Samsung Galaxy Tab E 10.52015Samsung Galaxy Tab E 9.62016Samsung Galaxy Tab E 8.0The Samsung Galaxy Tab E series is a line of entry-level tablets.Samsung Galaxy Tab A 8.0Samsung Galaxy Tab A 8.0Samsung Galaxy Tab A 8.0 [5]Release timeline2014Samsung Galaxy Tab ActiveSamsung Galaxy Tab Active LTE201520162017Samsung Galaxy Tab Active 22018Samsung Galaxy Tab Active Pro2020Samsung Galaxy Tab Active32021 2022Samsung Galaxy Tab Active4 Pro2023 2024Samsung Galaxy Tab Active5The Samsung Galaxy Tab Active series is a line of mid-range rugged tablets designed for outdoor use, mirroring the Galaxy Xcover series. Applications include logistics, construction, and first response.Samsung Galaxy Tab Active[6][7]Samsung Galaxy Tab Active 2[8]Samsung Galaxy Tab Active Pro[9]Samsung Galaxy Tab Active3[10]Samsung Galaxy Tab Active4 Pro[11]Samsung Galaxy Tab Active5[12]Release timeline2012Samsung Galaxy Note 10.12013Samsung Galaxy Note 8.0Samsung Galaxy Note 10.1 2014 Edition2014Samsung Galaxy Note Pro 12.2The Galaxy Note tablet series was a line of stylus tablets. It was the flagship tablet line from 2012 to 2014 and was succeeded by the Galaxy Tab S series.Samsung Galaxy Note 10.1Samsung Galaxy Note 8.0Samsung Galaxy Note 10.1 2014 EditionSamsung Galaxy Note Pro 12.2NameModelOSReleasedNetworkDisplaySoCCPUGPURAMCameraVideo recordingStorageHeightWidthThicknessWeightBatteryFrontRearInternalExternalSamsung Galaxy Tab S 8.4 and 10.5SM-T700 (Wi-Fi) SM-T701 (3G)SM-T705 (4G)Android 4.4.2KitKat, up to Android 6.0.1 MarshmallowJuly 2014[13]LTE[a]HSPA+[b]EDGE/GPRS[c]2560 1600 Super AMOLED, 8.4" diagonalSamsung Exynos 5 Octa 5420Qualcomm Snapdragon 8001.9GHz quad-core & 1.3GHz quad-core, or 2.3GHz quad-coreMali-T628 MP6Adreno 3303GB2.1 MP8 MP1080p full HD @30fps16/32GBmicroSD (up to 128GB)212.8mm (8.38in)125.6mm (4.94in)6.6mm (0.26in)298g (0.657lb)4900 mAhSM-T800 (Wi-Fi) SM-T801 (3G)SM-T805 (4G)2560 1600 Super AMOLED, 10.5" diagonal247.3mm (9.74in)177.3mm (6.98in)6.6mm (0.26in)467g (1.030lb)7900 mAhGalaxy Tab S2 8.0 and 9.7SM-T710 (WiFi) SM-T715 (WiFi, 4G)Android 5.0.2 Lollipop, up to Android 7.0 NougatSeptember 2015[13]LTE[a]HSPA+[b]EDGE/GPRS[c]2048 1536 Super AMOLED, 8.0" diagonalSamsung Exynos 7 Octa 54331.9GHz quad-core & 1.3GHz quad-coreMali-T760 MP63GB2.1 MP8 MP1440p QHD @30fps32/64GBmicroSD (up to 256GB)198mm (7.8in)134mm (5.3in)5.6mm (0.22in)272g (0.600lb)4000 mAhSM-T810 (Wi-Fi) SM-T815 (Wi-Fi, 4G)2048 1536 Super AMOLED, 9.7" diagonal237mm (9.3in)169mm (6.7in)5.6mm (0.22in)392g (0.864lb)5870 mAhGalaxy Tab S2 8.0 and 9.7 (2016)SM-T713N (Wi-Fi) SM-T719N (Wi-Fi, 4G)Android 6.0.1 Marshmallow, up to Android 8.0 Oreo2016LTE[a]HSPA+[b]EDGE/GPRS[c]2048 1536 Super AMOLED, 8.0" diagonalQualcomm Snapdragon 6521.8GHz quad-core & 1.4GHz quad-coreAdreno 5103GB2.1 MP8 MP1440p QHD @30fps32/64GBmicroSD (up to 256GB)198mm (7.8in)134mm (6.98in)5.6mm (0.22in)272g (0.600lb)4000 mAhSM-T813N (Wi-Fi) SM-T819N (Wi-Fi, 4G)2048 1536 Super AMOLED, 9.7" diagonal237mm (9.3in)169mm (6.7in)5.6mm (0.22in)389g (0.858lb)5870 mAhGalaxy Tab S3SM-T820 (Wi-Fi) SM-T825 (Wi-Fi, 4G)Android 7.0 Nougat, up to Android 9.0 PieApril 2017LTE[d]HSPA+[b]EDGE/GPRS[c]2048 1536 Super AMOLED, 9.7" diagonalQualcomm Snapdragon 8202.15GHz dual-core and 1.6GHz dual-coreAdreno 5304GB5 MP13 MP2160p UHD @30fps32GBmicroSD (up to 1TB)237mm (9.3in)169mm (6.7in)6.0mm (0.24in)434g (0.957lb)6000 mAhGalaxy Tab S4SM-T830 (Wi-Fi) SM-T835 (Wi-Fi, 4G)Android 8.1 Oreo, up to Android 10August 2018LTE[e]HSPA+[f]EDGE/GPRS[c]2560 1600 Super AMOLED, 10.5" diagonalQualcomm Snapdragon 8352.35GHz quad-core and 1.9GHz quad-coreAdreno 5404GB / 6GB8 MP13 MP2160p UHD @30fps64GB/ 256GBmicroSD (up to 400GB)249mm (9.8in)164mm (6.5in)7.1mm (0.28in)483g (1.065lb)7300 mAhGalaxy Tab S5eSM-T720 (Wi-Fi) SM-T725 (Wi-Fi, 4G)Android 9.0, up to Android 11April 2019LTE[e]HSPA+[f]EDGE/GPRS[c]2560 1600 Super AMOLED, 10.5" diagonalQualcomm Snapdragon 6702.0Ghz dual-core and 1.7GHz hexa-coreAdreno 6154GB / 6GB8 MP13 MP2160p UHD @30fps64GB/ 128GBmicroSD (up to 1TB)245mm (9.6in)160mm (6.3in)5.5mm (0.22in)400g (0.88lb)7040 mAhGalaxy Tab S6SM-T860 (Wi-Fi) SM-T865 (Wi-Fi, 4G)Android 9.0, up to Android 12August 2019LTE[e]HSPA+[f]EDGE/GPRS[c]Qualcomm Snapdragon 8552.84GHz single-core, 2.42GHz tri-core and 1.8GHz quad-coreAdreno 6404 GB / 6GB / 8GB8 MP13 MP + 5 MP2160p UHD @30fps64GB / 128GB / 256GBmicroSD (up to 1TB)244.5mm (9.63in)159.5mm (6.28in)5.7mm (0.22in)420g (0.93lb)7040 mAhGalaxy Tab S6 5GSM-T866NAndroid 9.0, up to Android 12January 20205GLTE[e]HSPA+[f]EDGE/GPRS[c]Qualcomm Snapdragon 855+2.96GHz single-core, 2.42GHz tri-core and 1.8GHz quad-core6GB128GBGalaxy Tab S6 Lite[14]SM-P610N (Wi-Fi) SM-P615 (Wi-Fi, 4G)Android 10, up to Android 13April 2020LTE[e]HSPA+[f]EDGE/GPRS[c]2000 1200 TFT, 10.4" diagonalSamsung Exynos 96112.3GHz quad-core and 1.7GHz quad-coreMali-G72 MP34GB5 MP8 MP1080p full HD @30fps64GB/128GBmicroSDXC244.5mm (9.63in)154.3mm (6.07in)7.0mm (0.28in)420g (0.93lb)7040 mAhGalaxy Tab S7SM-T870 (Wi-Fi)SM-T878 (Wi-Fi, 4G/5G)Android 10, up to Android 13August 20205GLTE[e]HSPA+[f]EDGE/GPRS[c]2560 1600 (WQXGA) 120Hz TFT, 11.0" diagonalQualcomm Snapdragon 865+3.1GHz single-core, 2.42GHz tri-core and 1.8GHz quad-coreAdreno 6506GB / 8GB8MP13MP + 5MPUHD 4K (3840 2160) @30fps128GB / 256GB / 512GBmicroSD (up to 1TB)253.8mm (9.99in)165.3mm (6.51in)6.3mm (0.25in)498g (1.098lb)8000mAhGalaxy Tab S7+SM-T970 Wi-Fi SM-T978 (Wi-Fi, 5G)2800 1752 (WQXGA+)[15] 120Hz Super AMOLED, 12.4" diagonal285mm (11.2in)185mm (7.3in)5.7mm (0.22in)575g (1.268lb)10090mAhGalaxy Tab S7 FE | Fan EditionSM-T730, SM-T733 (Wi-Fi)SM-T736B (Wi-Fi, 5G)Android 11, up to Android 13June 20215GLTE[e]HSPA+[f]EDGE/GPRS[c]2560 1600 (WQXGA) TFT, 12.4" diagonalQualcomm Snapdragon 750G (Wi-

(68.2 GB/s)17K MAC NPU (2x GNPU + 2x SNPU) + DSP1300 MHzListShannon 5153LTE DL: Cat.24 3000Mbit/s, 8CA, 1024-QAMUL: Cat.22 422Mbit/s, 4CA, 256-QAM5G NR Sub-6GHzDL: 9.64Gbit/sUL: 2.55Gbit/s5G NR mmWave DL: 12.1Gbit/s UL: 3.67Gbit/sBluetooth 5.3, Wi-Fi 6EQ1 2024ListSamsung Galaxy S24Samsung Galaxy S24+Samsung Galaxy S24 FE^ a b c d Unified Shaders: Texture Mapping Units: Render Output Units: Ray Accelerators and Workgroup Processor (WGP)SoCCPUGPUMemory technologyNPUModemConnectivityReleasedDevices usingModel numberFab.Die size (mm2)ISAarcharchFrequency (MHz)Performance (GFLOPS)TypeBus width (bit)Bandwidth (GB/s)Exynos 3 Single 3110[60](previously Hummingbird S5PC110)45nm (Samsung 45nm HKMG)ARMv71core1.2GHz Cortex-A8PowerVR SGX5402003.2[61]LPDDR, LPDDR2 or DDR264-bit (232-bit) Dual-channel200MHz (3.2GB/s)Q2 2010Listat 1GHz:Samsung Galaxy S line, Samsung Wave S8500, Samsung Wave II S8530, Samsung Galaxy Tab, Samsung Droid Charge, Samsung Exhibit 4G, Google Nexus S, Meizu M9, Samsung Stratosphereat 1.2GHz:Samsung Infuse 4GExynos 3 Quad 3470[62]28nm (Samsung 28nm HKMG)4cores 1.4GHz Cortex-A7Mali-400 MP445016.2LPDDR2 orLPDDR3400MHz (6.4GB/s) or533MHz (8.5GB/s)Q3 2014ListSamsung Galaxy S5 Mini LTE, Samsung Galaxy Light, Samsung Galaxy Tab 4 7.0 LTEExynos 3 Quad 34754cores 1.3GHz Cortex-A7Mali-T72060012LPDDR3533MHz (8.5GB/s)Q3 2015ListSamsung Galaxy Amp Prime (J320AZ)Samsung Galaxy Express Prime (J320A)Samsung Galaxy FolderSamsung Galaxy J1 (2016) (LTE models only)Samsung Galaxy J2 (2017)Samsung Galaxy J3 (2016) (J3109, J320P, J320R4, J320W8)Samsung Galaxy J3 V (2016) (J320V)Samsung Galaxy On5Samsung Galaxy On5 Pro (2016)Samsung Galaxy XCover 3 VE (G389F)Exynos 4 Dual 4210[63][13]45nm (Samsung 45nm HKMG)2cores 1.4GHz Cortex-A9Mali-400 MP42669.6LPDDR2, DDR2 or DDR3400MHz (6.4GB/s)[64][65][66][67]Q2 2011Listat 1.2GHz:Samsung Galaxy S II, Samsung Galaxy Tab 7.0 Plusat 1.4GHz:Samsung Galaxy Note, Samsung Galaxy Tab 7.7, Hardkernel ODROID-A, Meizu MX 2-Core (first 2-core model), Cotton Candy by FXI Tech, ORIGEN 4 Dual[68]Exynos 4 Dual 4212[63][14]32nm (Samsung 32nm HKMG)2cores 1.5GHz Cortex-A9400[69]14.4Q1 2012ListMeizu MX 2-Core (new 2-core model), Samsung Galaxy Tab 3 8.0,[70] Samsung Galaxy S4 zoomExynos 4 Quad 4412[71][66]4cores 1.6GHz Cortex-A9400533[72]14.419.2Q2 2012List[73] Samsung Galaxy Note 10.1, Samsung Galaxy S III, Samsung Galaxy Note II, Auxus Core X4 3G[74][75] AndroidAgent[76] Boardcon EM4412 SBC,[77] Hardkernel ODROID-U2,[78] ODROID-X2,[79] ODROID-U3, ODROID-Q2,[80] Samsung Galaxy Camera 2,[81] Lenovo K860, Newman N2, Ramos W30HD, Meizu MX 4-Core, Hardkernel ODROID-X,[82] ODROID-U,[83] ODROID-Q,[84] ORIGEN 4 Quad,[68] Hyundai T7 Tablet, Samsung Galaxy Pop, Samsung Galaxy Light, Lenovo P700iExynos 4 Quad 4415[71][66]28nm (Samsung 28nm HKMG)4cores 1.5GHz Cortex-A9533[85]19.2Q3 2014[85]ListSamsung Galaxy Mega 2Exynos 5 Dual 5250[86][87]32nm (Samsung 32nm HKMG)2cores 1.7GHz Cortex-A15Mali-T604 MP4[88]53372.5LPDDR2, LPDDR3 or DDR3533MHz (8.5GB/s) or800MHz (12.8GB/s)Q3 2012[86]ListSamsung Chromebook XE303C12,[89] Google Nexus 10, Arndale Board,[90] Huins ACHRO 5250 Exynos,[91] Freelander PD800 HD,[92] Voyo A15, HP Chromebook 11, Samsung HomesyncExynos 5 Hexa 5260[93][94]28nm (Samsung 28nm HKMG)2+4cores (1.7GHz Cortex-A15 + 1.3GHz Cortex-A7)Mali-T624 MP460081.6LPDDR3800MHz (12.8GB/s)Q2 2014ListRamos S97, Samsung Galaxy Note 3 Neo, Samsung Galaxy K zoom, Rexnos Rex-RedExynos 5 Octa 5410[95][96][97][98]4+4cores (1.6GHz Cortex-A15 + 1.2GHz Cortex-A7)PowerVR SGX544 MP3480532[99]49Q2 2013ListSamsung Galaxy S4 I9500,[100][101] Hardkernel ODROID-XU,[102] Meizu MX3, ZTE Grand S II TD, iBerry CoreX8 3G Exynos 5 Octa 5420[103]136.964+4cores (1.9GHz Cortex-A15 + 1.3GHz Cortex-A7)Mali-T628 MP6533108.7LPDDR3e933MHz (14.9GB/s)Q3 2013ListSamsung Chromebook 2 11.6",[104] Samsung Galaxy Note 3,[105] Samsung Galaxy Note 10.1 (2014 Edition), Samsung Galaxy Note Pro 12.2, Samsung Galaxy Tab Pro (12.2 & 10.1), Samsung Galaxy Tab S 8.4, Samsung Galaxy Tab S 10.5, Arndale Octa BoardExynos 5 Octa 5422[93][106]4+4cores (2.1GHz Cortex-A15 + 1.5GHz Cortex-A7)Q2 2014ListSamsung Galaxy S5 (SM-G900H),[107] Odroid XU3/XU3-Lite/XU4, Rexnos Rex-RedExynos 5 Octa 5430[108][109]20nm (Samsung 20nm HKMG)110.184+4cores (1.8GHz Cortex-A15 + 1.3GHz Cortex-A7)600122.4LPDDR3e/DDR31066MHz (17.0GB/s)Q3 2014ListMeizu MX4 Pro[110]Samsung Galaxy Alpha (SM-G850F)Samsung Galaxy A7 (2015)Samsung Galaxy A8 (2015) (A800S, A800F)Exynos 5 Octa 5800[111]28nm (Samsung 28nm HKMG)4+4cores (2.0GHz Cortex-A15 + 1.3GHz Cortex-A7)??LPDDR3/DDR3933MHz (14.9GB/s)Q2 2014ListSamsung Chromebook 2 13,3"[112]Exynos 7 Octa 5433[113][114][115]20nm (Samsung 20nm HKMG)113.42[116]ARMv8-A4 + 4 cores (1.9GHz Cortex-A57 + 1.3GHz Cortex-A53) GTSMali-T760 MP6700117.6LPDDR3825MHz (13.2GB/s)[113]Paired with Samsung M303/Intel XMM 7260 LTE Cat 6 (300Mbit/s) or Ericsson M7450 LTE Cat 4[117]Bluetooth, Wi-FiQ4 2014ListSamsung Galaxy A8 (2015) VE (A800I, A800J)Samsung Galaxy Note 4 (SM-N910C, SM-N910H, SM-N910U, SM-N910S, SM-N910K, SM-N910L, SM-N916S, SM-N916K, SM-N916L)Samsung Galaxy Note Edge (South Korea version)Samsung Galaxy Tab S2Exynos 7 Octa 7420[118][119][120]14nm (Samsung 14LPE)78.23[116]4 + 4 cores (2.1GHz Cortex-A57 + 1.5GHz Cortex-A53) GTSMali-T760 MP8772172.9LPDDR41553MHz (24.88GB/s)[121]Paired with Shannon 333LTE Cat 9 (450Mbit/s)Bluetooth, Wi-FiQ2 2015ListMeizu Pro 5Samsung Galaxy A8 (2016)Samsung Galaxy S6Samsung Galaxy S6 ActiveSamsung Galaxy S6 EdgeSamsung Galaxy S6 Edge+Samsung Galaxy Note 5Fasetto LINK[122]MicroVision MV 7420-LCD SBC[123]Exynos 7 Quad 7570[124][125][126]14nm (Samsung 14LPC)4cores 1.4GHz Cortex-A53Mali-T720 MP1[127]83016.6LPDDR332-bit Single-channel[128]533MHz (4.2GB/sec)LTE Cat.4 2CA 150Mbit/s (DL) /50Mbit/s (UL)Bluetooth 4.2, Wi-Fi 802.11a/b/g/nQ3 2016ListSamsung Galaxy Amp Prime 3 (2018) (J337AZ)Samsung Galaxy Express Prime 2 (2017) (J327A)Samsung Galaxy Express Prime 3 (2018) (J337A)Samsung Galaxy J2 Core (2018)Samsung Galaxy J2 Core (2020)Samsung Galaxy J2 Dash / Shine (2018) (J260A)Samsung Galaxy J3 (2017) (J330)Samsung Galaxy J3 (2018)Samsung Galaxy J3 Pro (2017)Samsung Galaxy J3 Star (2018) (J337T)Samsung Galaxy J4 (2018)Samsung Galaxy J5 PrimeSamsung Galaxy Xcover 4Exynos 7 Quad 757828nm (Samsung 28nm HKMG)4cores 1.5GHz Cortex-A53Mali-T720 MP266826.7933MHz (7.5GB/sec)Bluetooth, Wi-FiQ2 2015ListSamsung Galaxy A3 (2016)Exynos 7 Octa 7580[129][130]8cores 1.6GHz Cortex-A53LTE Cat.6 2CA 300Mbit/s (DL) /50Mbit/s (UL)ListSamsung Galaxy A5 (2016)Samsung Galaxy A7 (2016)[131]Samsung Galaxy J7 (2015) (J700F, J700H)Samsung Galaxy S5 NeoSamsung Galaxy ViewExynos 7 Octa 7870[132][133]14nm (Samsung 14LPP)Mali-T830 MP1[134]70022.4Bluetooth, Wi-FiQ1 2016ListSamsung Galaxy A2 CoreSamsung Galaxy A3 (2017)[135]Samsung Galaxy A6 (2018)Samsung Galaxy Feel (SC-04J)Samsung Galaxy Halo (J727AZ)Samsung Galaxy J5 / J5 Pro (2017)Samsung Galaxy J6 (2018)Samsung Galaxy J7 (2016)[131]Samsung Galaxy J7 / J7 Pro (2017)Samsung Galaxy J7 (2018)Samsung Galaxy J7 Nxt / Core / Neo (2017) (16GB & 32GB)Samsung Galaxy J7 Prime (2016)Samsung Galaxy J7 Prime 2 (2018) (G611F)Samsung Galaxy J7 Star (2018) (J737T, J737T1)Samsung Galaxy M10 (2019)[136]Samsung Galaxy on Nxt[137]Samsung Galaxy On6Samsung Galaxy On7 (2016)Samsung Galaxy On7 PrimeSamsung Galaxy Wide 3 (J737S)Samsung Galaxy Tab A 10.1 (2016)[138]Samsung Galaxy Tab Active 2 8.0Exynos 7880[139][140][141]8cores 1.9GHz Cortex-A53Mali-T830 MP395091.2LPDDR432-bit (216-bit) Dual-channel1600MHz (12.8GB/sec)LTE Cat.7 3CA 300Mbit/s (DL) /2CA 100Mbit/s (UL)Bluetooth, Wi-FiQ1 2017ListSamsung Galaxy A5 (2017)Samsung Galaxy A7 (2017)Exynos 7872[142]2 + 4 cores (2.0GHz Cortex-A73 + 1.6GHz Cortex-A53) GTSMali-G71 MP1120028.8LPDDR332-bit Single-channel933MHz (7.5GB/sec)LTE Cat.7 2CA 300Mbit/s (DL) /Cat.13 2CA 150Mbit/s (UL)Bluetooth 4.2, Wi-Fi 802.11a/b/g/nQ1 2018Meizu M6sExynos 7884A[143]2 + 6 cores (1.35GHz Cortex-A73 + 1.35GHz Cortex-A53) GTSMali-G71 MP245021.6LPDDR432-bit (216-bit) Dual-channel1866MHz (14.9GB/sec)LTE Cat.4 2CA 150Mbit/s (DL) /2CA 50Mbit/s (UL)Q3 2018ListSamsung Galaxy J3 Achieve (2018) (J337P)Samsung Galaxy J3 Aura (2018) (J337R4)Samsung Galaxy J3 V 3rd Gen (2018) (J337V, J337VPP)Exynos 7884[144]2 + 6 cores (1.6GHz Cortex-A73 + 1.35GHz Cortex-A53) GTS67684532.440.6Shannon 327 LTE Cat.12 3CA 600Mbit/s (DL) /Cat.13 2CA 150Mbit/s (UL)Bluetooth 5.0, Wi-Fi 802.11a/b/g/n/acQ2 2018ListSamsung Galaxy A10eSamsung Galaxy A10Samsung Galaxy A20eSamsung Galaxy A20Samsung Galaxy J7 Aura (2018) (J737R4)Samsung Galaxy J7 Crown (2018) (S767VL)Samsung Galaxy J7 Refine (2018) (J737P)Samsung Galaxy J7 V 2nd Gen (2018) (J737V, J737VPP)Samsung Galaxy Jean2Samsung Galaxy M10sExynos 7885[145][146]2 + 6 cores (2.2GHz Cortex-A73 + 1.6GHz Cortex-A53) GTS110052.8Q1 2018ListSamsung Galaxy A7 (2018)Samsung Galaxy A8 (2018)Samsung Galaxy A8+ (2018)Samsung Galaxy Feel 2 (SC-02L)Samsung Galaxy J7 Duo (2018)Samsung Galaxy XCover 4SExynos 7904[147]2 + 6 cores (1.8GHz Cortex-A73 + 1.6GHz Cortex-A53) GTS77037Q1 2019ListSamsung Galaxy A30Samsung Galaxy A30sSamsung Galaxy A40Samsung Galaxy M20Samsung Galaxy M30/A40sSamsung Galaxy Tab A 10.1 (2019)Samsung Galaxy Tab A 8.4 (2020)Exynos 8 Octa 8890[148]4 + 4 cores (2.3GHz, up to 2.6GHz in dual-core load, ExynosM1 "Mongoose" + 1.6GHz Cortex-A53) GTSMali-T880 MP12650327.6LPDDR464-bit (232-bit) Dual-channel1794MHz (28.7GB/s)[149][150]Shannon 335 LTEDL: LTE Cat 12 600Mbit/s, 3CAUL: LTE Cat 13 150Mbit/s, 2CABluetooth 4.2, Wi-Fi 802.11a/b/g/n/acQ1 2016List* Meizu PRO 6 Plus (128GB)MicroVision MV 8890-LCD SBC[151]Samsung Galaxy S7Samsung Galaxy S7 Edge (Korean and International versions)Samsung Galaxy Note 7Galaxy Note Fan Edition4 + 4 cores (2.0GHz ExynosM1 "Mongoose" + 1.5GHz Cortex-A53) GTSMali-T880 MP10 (Lite)273Meizu PRO 6 Plus (64GB)Exynos 8895[152][153][154]10 nm (Samsung 10LPE)103.64[155]4 + 4 cores (2.314GHz ExynosM2 "Mongoose" + 1.69GHz Cortex-A53) GTSMali-G71 MP20546[156]262.1LPDDR4XShannon 355 LTE DL: LTE Cat 16 1050Mbit/s, 5CA, 256-QAM)UL: LTE Cat 13 150Mbit/s, 2CA, 64-QAMBluetooth 5.0, Wi-Fi 802.11a/b/g/n/acQ2 2017ListMeizu 15 PlusSamsung Galaxy S8Samsung Galaxy S8+Samsung Galaxy Note 8 (Korean and International versions)Exynos 9609[157]4 + 4 cores (2.2GHz Cortex-A73 + 1.6GHz Cortex-A53)Mali-G72 MP3LPDDR4X32-bit (216-bit) Dual-channel1600MHz (12.8GB/sec)Shannon 337 LTE Cat.12 3CA 600Mbit/s (DL) /Cat.13 2CA 150Mbit/s (UL)Bluetooth 5.0, Wi-Fi 802.11a/b/g/n/acQ2 2019ListMotorola One VisionMotorola One ActionExynos 9610[158]4 + 4 cores (2.3GHz Cortex-A73 + 1.7GHz Cortex-A53)1053113.7Q4 2018Samsung Galaxy A50Exynos 9611[159]85091.8Q3 2019ListSamsung Galaxy A50sSamsung Galaxy A51Samsung Galaxy F41Samsung Galaxy M21Samsung Galaxy M21sSamsung Galaxy M30sSamsung Galaxy M31Samsung Galaxy M31sSamsung Galaxy Xcover ProExynos 9810 (S5E9810)[160][161]10 nm (Samsung 10LPP)118.94[162]ARMv8.2-A4 + 4 cores (2.9GHz Exynos M3 "Meerkat"[155] + 1.9GHz Cortex-A55)Mali-G72 MP18572370.7[163]LPDDR4X64-bit (416-bit) Quad-channel1794MHz (28.7GB/s)[149]Shannon 360 LTEDL: LTE Cat 18 1200Mbit/s, 6CA, 256-QAMUL: LTE Cat 13 200Mbit/s, 2CA, 256-QAMBluetooth 5.0, Wi-Fi 802.11a/b/g/n/acQ1 2018ListSamsung Galaxy S9/S9+Samsung Galaxy Note 9 (Korean and International versions)Samsung Galaxy Note 10 LiteSamsung Galaxy Tab Active3Exynos 9820 (S5E9820)[164]8 nm (Samsung 8LPP)127[165]2 + 2 + 4 cores (2.73GHz Exynos M4 "Cheetah" + 2.31GHz Cortex-A75 + 1.95GHz Cortex-A55)Mali-G76 MP12702404.42093MHz (33.488GB/s)[165]Dual-core NPU1024 MAC units @ 933MHz[165](1.86 TOPs)Shannon 5000 LTEDL: Cat.20 2000Mbit/s, 8CA, 256-QAMUL: Cat.13 316Mbit/s, 3CA, 256-QAMBluetooth 5.0, Wi-Fi 802.11a/b/g/n/ac/axQ1 2019ListSamsung Galaxy S10/S10e/S10+ (Korean and International versions)Exynos 9825 (S5E9825)[166]8 nm (Samsung 7LPE)2 + 2 + 4 cores (2.73GHz Exynos M4 "Cheetah" + 2.4GHz Cortex-A75 + 1.95GHz Cortex-A55)754434.3Q3 2019ListSamsung Galaxy Note10/Note10+ (Korean and International versions)Samsung Galaxy F62/M62SoCCPUGPUMemory technologyNPUModemConnectivityReleasedDevices usingModel numberFab.Die size (mm2)ISAarcharchFrequency (MHz)Performance GFLOPS (FP32)TypeBus width (bit)Bandwidth (GB/s)Exynos 4 Single 4212[63][14]32nm (Samsung 32nm HKMG)ARMv7-A1core 0.8GHz Cortex-A9Mali-400 MP4400[167]14.4LPDDR2, DDR2 or DDR364-bit (232-bit) Dual-channel400MHz (6.4GB/s)Q3 2013ListSamsung Galaxy GearExynos 2 Dual 325028nm (Samsung 28nm HKMG)2cores 1.0GHz Cortex-A7Mali-400 MP24007.2LPDDR2 orLPDDR3Q2 2014ListSamsung Gear 2 (Neo), Samsung Gear S2 (Bluetooth), Casio WSD-F10/F20Exynos 7 Dual 7270(SC57270)[168]14nm (Samsung 14LPP)ARMv8-A2cores 1.0GHz Cortex-A53Mali-T720 MP166713.3LPDDR332-bit (216-bit) Dual-channelUnknownLTE Cat.4 2CA 150Mbit/s (DL) / 50Mbit/s (UL)Bluetooth 4.2, Wi-Fi 4, GPS, GLONASS, BeiDou, Galileo, eMMCQ3 2016ListSamsung Gear S3Samsung Gear SportCasio G-Shock GSW-H1000[169]Exynos 9110(SC59110XSC)[170]10nm (Samsung 10LPP)2cores 1.15GHz Cortex-A53LPDDR4LPDDR4XUnknownShannon 3012LTE Cat.4 2CA 150Mbit/s (DL) / Cat.5 75Mbit/s (UL)Q3 2018ListSamsung Galaxy WatchSamsung Galaxy Watch ActiveSamsung Galaxy Watch Active 2Samsung Galaxy Watch 3Google Pixel WatchExynos W920(SC55515XBD)[171]5nm (Samsung 5LPE)ARMv8.2-A2cores 1.18GHz Cortex-A55Mali-G68 MP266785.4LPDDR4UnknownBluetooth 5.0, Wi-Fi 4, GPS, GLONASS, BeiDou, Galileo, eMMC 5.1Q3 2021ListSamsung Galaxy Watch 4Samsung Galaxy Watch 5Exynos W930(SC55515XBE)[172]5nm (Samsung 5LPP)2cores 1.4GHz Cortex-A55UnknownBluetooth 5.2, Wi-Fi 4, GPS, GLONASS, BeiDou, Galileo, eMMC 5.1Q3 2023ListSamsung Galaxy Watch 6Exynos W1000(SC55535AHA)[173]3nm (Samsung SF3)17.671core 1.6GHz Cortex-A784cores 1.5GHz Cortex-A5570289.9LPDDR5UnknownBluetooth 6.0, Wi-Fi 4, GPS, GLONASS, BeiDou, Galileo, eMMC 5.1Q3 2024ListSamsung Galaxy Watch 7Samsung Galaxy Watch UltraExynos Modem 303Supported modes LTE FDD, LTE TDD, WCDMA and GSM/EDGELTE Cat. 6Downlink: 2CA 300Mbit/s 64-QAMUplink: 100Mbit/s 16-QAM28nm HKMG ProcessPaired with: Exynos 5 Octa 5430 and Exynos 7 Octa 5433Devices using: Samsung Galaxy Note 4, Samsung Galaxy Note Edge and Samsung Galaxy Alpha[174]Exynos Modem 333Supported modes LTE FDD, LTE TDD, WCDMA, TD-SCDMA and GSM/EDGELTE Cat. 10Downlink: 3CA 450Mbit/s 64-QAMUplink: 2CA 100Mbit/s 16-QAM28nm HKMG ProcessPaired with: Exynos 7 Octa 7420Devices using: Samsung Galaxy S6, Samsung Galaxy Note 5 and Samsung Galaxy A8 (2016)[175]Exynos Modem 5100Supported Modes: 5G NR Sub-6GHz, 5G NR mmWave, LTE-FDD, LTE-TDD, HSPA, TD-SCDMA, WCDMA, CDMA, GSM/EDGE[176]Downlink Features:8CA (Carrier Aggregation) in 5G NR8CA 1.6Gbit/s in LTE Cat. 194x4 MIMOFD-MIMOUp to 256-QAM in sub-6GHz, 2Gbit/sUp to 64-QAM in mmWave, 6Gbit/sUplink Features:2CA (Carrier Aggregation) in 5G NR2CA in LTEUp to 256-QAM in sub-6GHzUp to 64-QAM in mmWaveProcess: 10nm FinFET ProcessPaired with: Exynos 9820 and Exynos 9825Devices using: Samsung Galaxy S10 and Samsung Galaxy Note 10Exynos Modem 5123Supported Modes: 5G NR Sub-6GHz, 5G NR mmWave, LTE-FDD, LTE-TDD, HSPA, TD-SCDMA, WCDMA, CDMA, GSM/EDGE[177]Downlink Features:8CA 1024-QAM in LTE Cat. 24 (3.0Gbit/s)Up to 256-QAM in sub-6GHz (5.1Gbit/s)Up to 64-QAM in mmWave (7.35Gbit/s)Uplink Features:2CA 256-QAM in LTE Cat. 22 (422Mbit/s)Up to 256-QAM in sub-6GHzUp to 64-QAM in mmWaveProcess: 7nm FinFET ProcessPaired with: Exynos 990, Exynos 2100, and Google TensorDevices using: Samsung Galaxy S20, Samsung Galaxy Note 20, Samsung Galaxy S21, and Google Pixel 6Exynos Modem 5300Supported Modes: 3GPP Release 16 5G NR Sub-6GHz & mmWave (SA/NSA), LTE-FDD, LTE-TDD, HSPA, TD-SCDMA, WCDMA, CDMA, GSM/EDGE[178]Downlink Features: Up to 10Gbit/s5G sub-6GHzUp to 256-QAM4x4MIMO200MHz carrier aggregation5G mmWaveUp to 64-QAM2x2MIMO800MHz carrier aggregationUplink Features: Up to 3.9Gbit/s5G sub-6GHzUp to 256-QAM2x2MIMO400MHz carrier aggregation5G mmWaveUp to 64-QAM2x2MIMO800MHz carrier aggregationProcess: 4nm EUVPaired with: Exynos 2400, Google Tensor G2, and Google Tensor G3Devices using: Samsung Galaxy S22, Google Pixel 7, and Google Pixel 8Exynos Modem 5400Supported Modes: 3GPP Release 17 5G NR Sub-6GHz & mmWave (SA/NSA/NTN), LTE-FDD, LTE-TDD, HSPA, WCDMA, GSM/EDGE, NB-IoT NTN[179][180]Downlink Features:5G FR1Up to 11.2Gbit/sUp to 1024-QAM4x4MIMO380MHz carrier aggregation (5CA: 3x 100MHz + 2x 40MHz)5G FR2Up to 14.8Gbit/sUp to 256-QAM2x2MIMO1000MHz carrier aggregationUplink Features: Up to 3.9Gbit/s5G FR1Up to 256-QAM2x2MIMO400MHz carrier aggregation5G FR2Up to 64-QAM2x2MIMO800MHz carrier aggregationProcess: 4nm EUVPaired with: Exynos 2400 and Google Tensor G4Devices using it: Samsung Galaxy S24 and Google Pixel 9Exynos i T200[181]CPU: Cortex-M4 @ 320MHz, Cortex-M0+ @ 320MHzWiFi: 802.11b/g/n Single band (2.4GHz)On-chip Memory: SRAM 1.4MBInterface: SDIO/ I2C/ SPI/ UART/ PWM/ I2SFront-end Module: Integrated T/R switch, Power Amplifier, Low Noise AmplifierSecurity: WEP 64/128, WPA, WPA2, AES, TKIP, WAPI, PUF (Physically Unclonable Function)Exynos i S111[182]CPU: Cortex-M7 200MHzModem: LTE Release 14 NB-IoTDownlink: 127kbit/sUplink: 158kbit/sOn-chip Memory: SRAM 512KBInterface: USI, UART, I2C, GPIO, eSIM I/F, SDIO(Host), QSPI(Single/Dual/Quad IO mode), SMCSecurity: eFuse, AES, SHA-2, PKA, Secure Storage, Security Sub-System, PUFGNSS: GPS, Galileo, GLONASS, BeiDouSoCCPUGPUMemory technologyNPUModemConnectivityReleasedVehiclesModel numberFab.Diesize(mm2)archFrequency (MHz)PerformanceGFLOPS (FP32)TypeBus width(bit)Bandwidth(GB/s)Exynos Auto 8890 (SGA8890A)[183]14nm(Samsung 14LPP)4 + 4 cores(2.6GHz[184] ExynosM1 "Mongoose" + 1.6GHz Cortex-A53)(ARMv8-A)Mali-T880 MP12650327.6LPDDR464-bit (232-bit) Dual-channelShannon LTEDL: LTE Cat 12 600Mbit/s, 3CAUL: LTE Cat 13 150Mbit/s, 2CABluetooth 4.2, Wi-Fi 5Q1 2017Audi A4 (B9) (20192025)Exynos Auto T5123[185]7nm(Samsung 7LPP)2 coresCortex-A55(ARMv8.2-A)LPDDR4X16-bit (116-bit) Single-channel2133MHz(8.5GB/s)LTE DL: Cat.24 3000Mbit/s, 8CA, 1024-QAMUL: Cat.22 422Mbit/s, 2CA, 256-QAM5G NR Sub-6GHz DL: 4.55Gbit/s UL: 1.92GbpsQ4 2021Exynos Auto V7[186]8nm(Samsung 8LPP)8cores1.5GHz Cortex-A76(ARMv8.2-A)2 Mali-G76(MP8 + MP3)LPDDR4XLPDDR5128-bit (816-bit) Octa-channel2133MHz (68.2GB/s)NPUQ4 2021Exynos Auto V9 (S5AHR80A)[187]8cores2.1GHz Cortex-A76(ARMv8.2-A)3 Mali-G76(MP12 + MP3 + MP3)NPU(8.5TOPS)Bluetooth 5.0, Wi-Fi 6Q1 2019Exynos Auto V920 (S5AV920)[188]5 nm(Samsung 5LPE)10 cores (4+4+2)ARM Cortex-A78AE(ARMv8.2-A)Samsung Xclipse GPULPDDR5128-bit (816-bit) Octa-channel3200 MHz (102.4GB/s)NPU(23.1TOPS)2025The Exynos Auto V9 comes with additional features such as:Automotive Safety Integrity Level (ASIL)-B standardsSafety island core4 Tensilica HiFi 4 DSPSupports up to 6 displays, and up to 12 camera connections (4/4/4 MIPI CSI)Supports 4096x4096 120fps encoding and decoding with HEVC(H.265)2x Gb Ethernet[189]The Exynos Auto V920 comes with additional features such as:3 Tensilica HiFi 5 DSPSupports up to 6 Displays (3x 5K (8K*2K) + 3x DFHD (3840*1440)), and up to 12 Cameras (3x MIPI CSI 4lanes)Supports 4K 240fps decoding (HEVC), 4K 120fps encoding2x USXGMII (10Gbps) Ethernet[188]Some of Samsung's phone models released between 2019 - 2021 that used Exynos 9611 processor were widely reported by customers having random restarts, freezing and boot-loops. Specific phone models include the Galaxy A50, A50s, A51, M30s, M21, M31, M31s, F41 and Galaxy M21 (2021). Although the issue went unreported on mainstream media [190][191] and very few YouTube reviewers covered it based on user reports,[192][193] the issues were widely documented on Samsung Members official community forum [194][195][196][197][198][199] as well as Reddit & other forums.[200][201][202][203][204] The impact was significant with hundreds of user posts & comments between 2020 and 2023. Samsung did free board replacements for some early customers who had the phone in warranty.[205] However, the majority of people faced the issue after the 12 month warranty period, mostly starting 1.5 - 3 years after purchase. Samsung never officially acknowledged the issue and no software update was released to solve the problem, although the phones received the promised minimum 4 year security updates.[206] The only official solution available to customers was to purchase replacement board that cost around 60-70% of the phone's cost. Most users resorted to risky yet cheaper 3rd party repair that required re-soldering (also called reballing) the CPU & RAM PoP (Package on Package) which managed to solve issue according to dozens of user reports on said forums.[207][208][209][210][211] Comparison of Armv8-A processorsComparison of Armv7-A processorsA-Series by AllwinnerApple silicon (A/S/T/W/H/U/M series) by Apple Inc.Kirin by HiSilicon (Huawei)i.MX by NXPJaguar and Puma by AMDMT by MediaTekNovaThor by ST-EricssonOMAP by Texas InstrumentsRK by Rockchip ElectronicsSnapdragon by QualcommTegra by Nvidia^ "Samsung Exynos Processor". Samsung Semiconductor Global. 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In this case, the ARM chip was a Samsung Exynos 5 Dual, a dual-core Cortex-A15 mobile SoC, paired with a Mali-T604 GPU. This next prototype looks to be much more supercomputer-like, especially considering Cavium's ThunderX2 chip is a bona fide 64-bit ARM server SoC with HPC ambitions. The 54-core processor will run at speeds as high as 3GHz^ "Samsung's New Quad-core Application Processor Drives Advanced Feature Sets in Smartphones and Tablets (Designed on 32nm HKMG process, new energy-efficient chip exceeds 1.4GHz per core)". Samsung Electronics Co.Ltd. 26 April 2012. Archived from the original on 1 February 2014. Retrieved 7 October 2013.^ a b "Exynos 4 Dual 45nm". SAMSUNG. Archived from the original on 15 August 2016. Retrieved 7 October 2013.^ a b c "Exynos 4 Dual 32nm". SAMSUNG. Archived from the original on 15 August 2016. Retrieved 7 October 2013.^ a b Frumusanu, Andrei. "Hot Chips 2018: Samsung's Exynos-M3 CPU Architecture Deep Dive". anandtech.com. 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