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Samsung SM-F966B

Samsung Galaxy Z Fold7 5G Smartphone User Manual

Model: SM-F966B

Introduction

Welcome to the user manual for your new Samsung Galaxy Z Fold7 5G Smartphone. This device represents the pinnacle of mobile innovation, combining an ultra-sleek foldable design with powerful performance and advanced AI capabilities.

This manual provides essential information on setting up, operating, maintaining, and troubleshooting your Galaxy Z Fold7, ensuring you get the most out of its cutting-edge features, including the 200MP camera, Snapdragon 8 Elite processor, and integrated Galaxy AI.

What's in the Box

Upon unboxing your Samsung Galaxy Z Fold7, please verify that all the following items are included:

- Samsung Galaxy Z Fold7 Smartphone
- Data Cable (USB-C to USB-C)
- SIM Ejection Pin
- Quick Start Guide



Figure 1: Included items in the Samsung Galaxy Z Fold7 retail package. This includes the smartphone, a USB-C to USB-C data cable, and a SIM ejection pin. A quick start guide is also provided.

Product Overview

The Samsung Galaxy Z Fold7 features a revolutionary foldable design, offering both a compact form factor and an expansive display when unfolded. Its construction emphasizes durability and a premium feel.

Design and Display

The Galaxy Z Fold7 is engineered to be Samsung's slimmest and lightest Galaxy Fold to date. It boasts expansive screens both inside and out, providing an undisrupted viewing experience. The wider 21:9 cover screen and a sleeker form factor enhance single-handed usability.



Figure 2: The Samsung Galaxy Z Fold7 in Jetblack, showcasing its innovative foldable design and sleek profile. The device is depicted in a partially folded state, highlighting its unique form factor.



Figure 3: The Galaxy Z Fold7 unfolded, demonstrating its large immersive main screen. This view emphasizes the device's capability to transform from a compact phone to a tablet-like display for enhanced productivity and entertainment.

Durability

Built with an advanced Armor Aluminium frame, the Galaxy Z Fold7 is designed to be thinner yet stronger and more durable. It features Corning Gorilla Glass Ceramic 2 for enhanced resilience on both the front and back. Security is further bolstered by Knox Vault, providing on-device protection for your privacy.

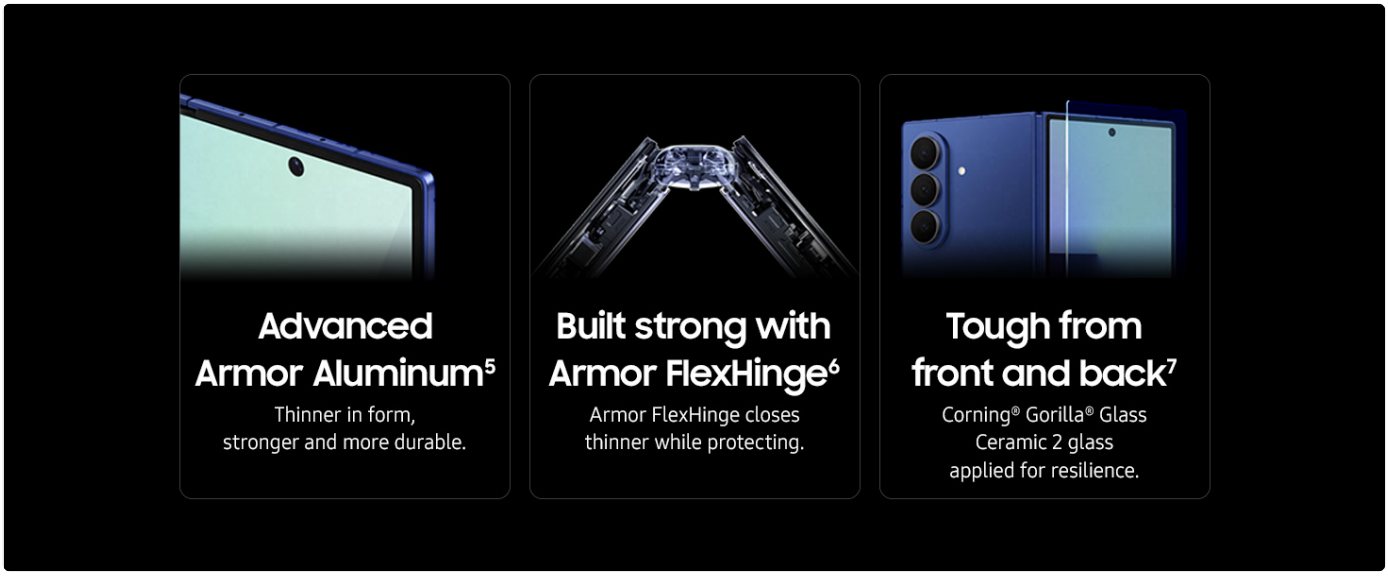


Figure 4: An illustration detailing the robust construction of the Galaxy Z Fold7, highlighting its Advanced Armor Aluminum frame for strength, the Armor FlexHinge for smooth folding and protection, and Corning Gorilla Glass Ceramic 2 for scratch and drop resistance.

Setup

Initial Charging

Before first use, it is recommended to fully charge your Galaxy Z Fold7. Connect the provided USB-C to USB-C data cable to the phone's charging port and to a compatible USB power adapter (sold separately). The device supports fast charging.

SIM Card Installation

To use cellular services, you will need to install a Nano-SIM card. Use the provided SIM ejection pin to open the SIM tray. Carefully place your SIM card into the tray with the gold contacts facing down, then reinsert the tray into the device.

Powering On and Initial Setup

Press and hold the Power button (located on the side) until the Samsung logo appears. Follow the on-screen prompts to complete the initial setup, including connecting to Wi-Fi, signing into your Google account, and transferring data from a previous device if desired.

Operating Your Galaxy Z Fold7

Camera Features

The Galaxy Z Fold7 is equipped with a powerful 200MP Ultra camera, designed to capture stunning, high-resolution photos. The ProVisual Engine, powered by AI, enhances image quality, especially in challenging lighting conditions.

- **200MP Wide Camera:** Capture incredible detail with the primary sensor.
- **Telephoto Lens:** Offers 3x optical zoom for clear distant shots.
- **Ultra Wide Lens:** Perfect for expansive landscapes and group photos.
- **Front and Main Screen Cameras:** Dedicated cameras for selfies and video calls, including an improved 10MP main screen

camera for wider group selfies.

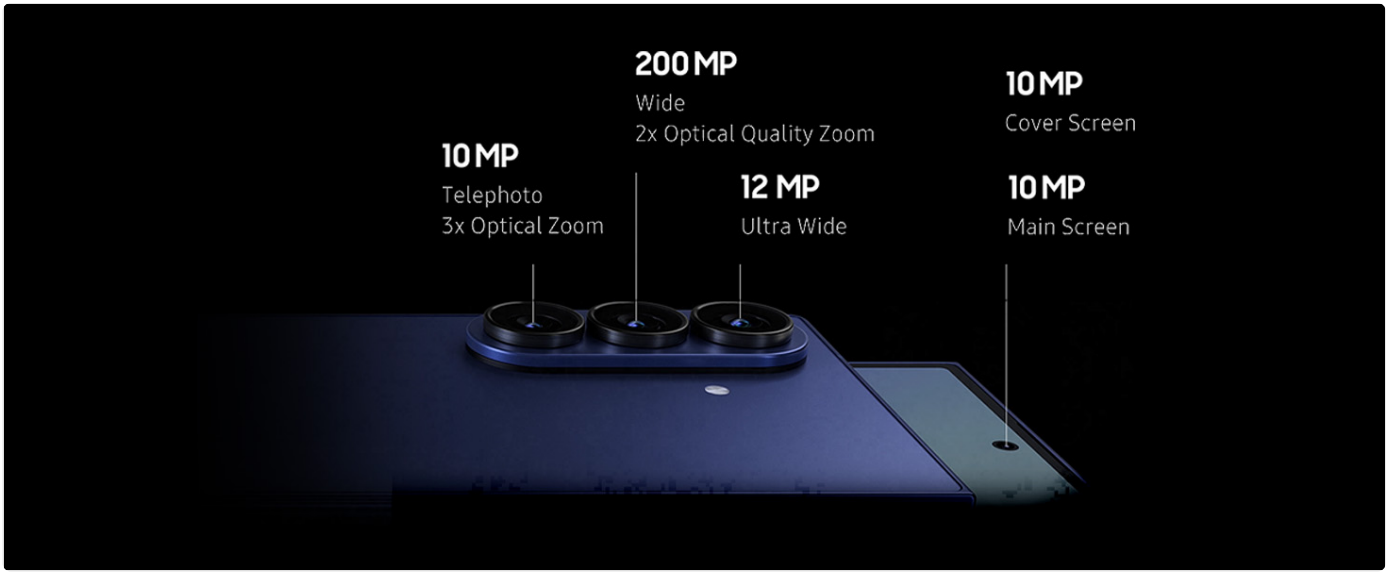


Figure 5: Detailed breakdown of the Galaxy Z Fold7's camera system, illustrating the various lenses and their megapixel counts for comprehensive photographic capabilities.

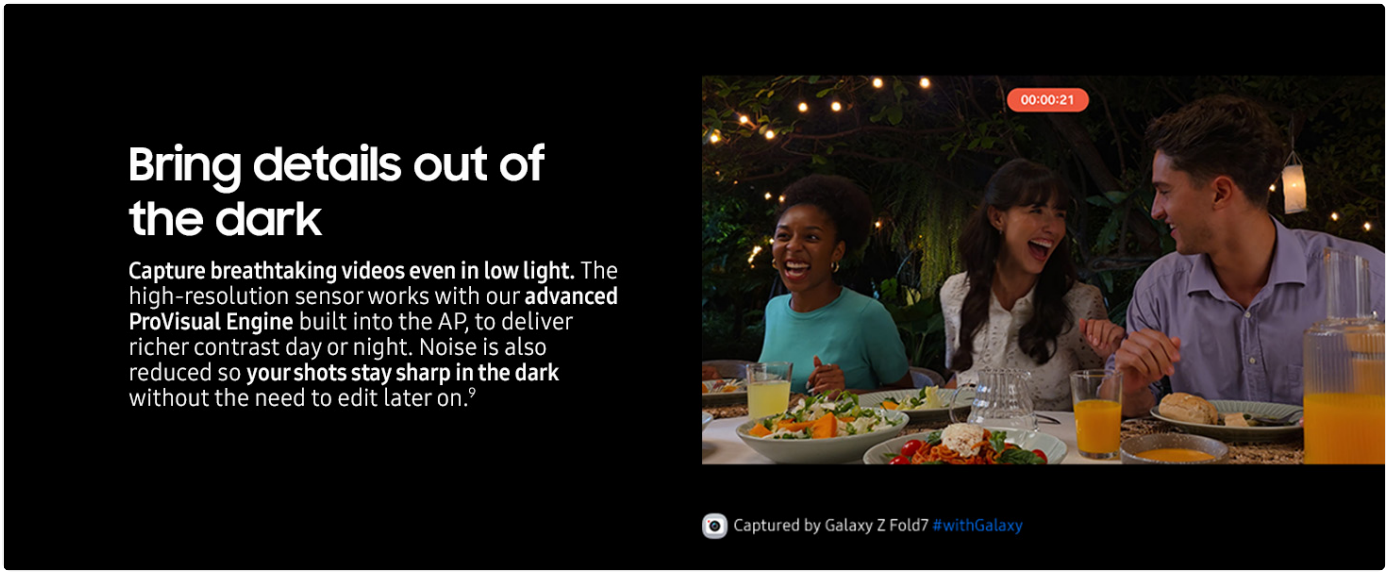


Figure 6: An example of the Galaxy Z Fold7's low-light photography capabilities, capturing clear and detailed images even in dimly lit environments, thanks to its advanced ProVisual Engine.

Performance and Gaming

Powered by the most advanced Snapdragon mobile processor, the Galaxy Z Fold7 delivers exceptional performance for all your tasks, from demanding applications to immersive gaming. Enjoy smoother graphics, faster gameplay, and efficient multitasking.

- **CPU:** Up to 38% faster processing.
- **GPU:** Up to 26% smoother graphics.
- **NPU:** Up to 41% quicker AI processing.

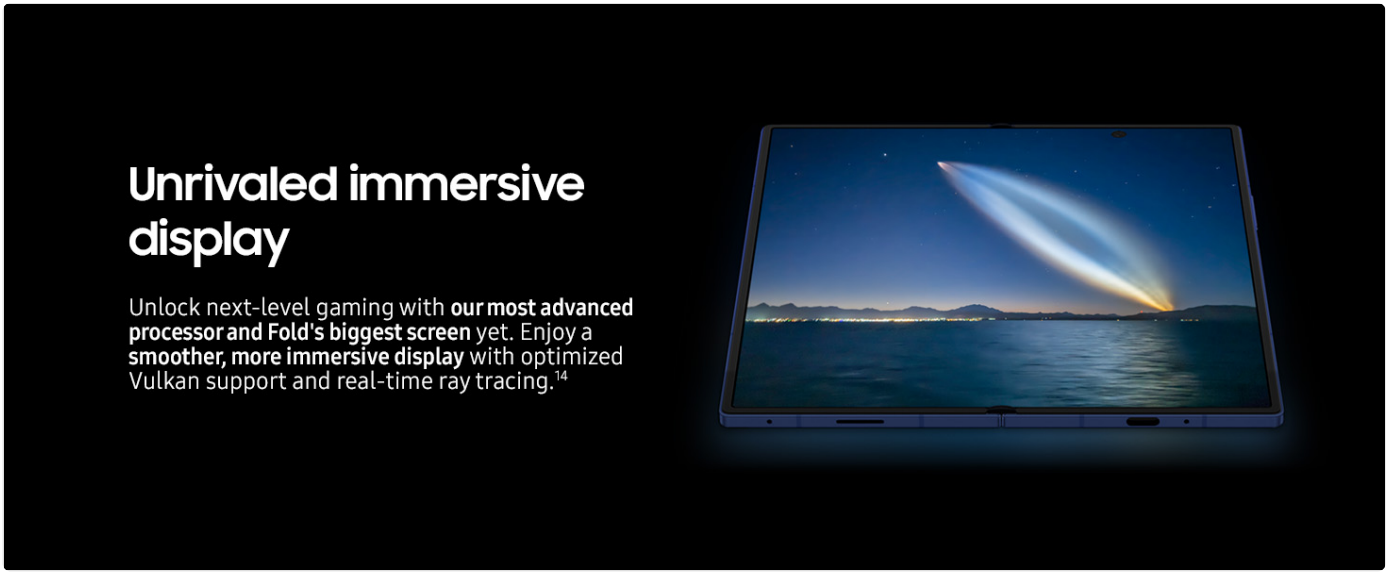


Figure 7: A visual representation of the significant performance enhancements in the Galaxy Z Fold7's CPU, GPU, and NPU, contributing to faster processing, smoother graphics, and quicker AI operations.

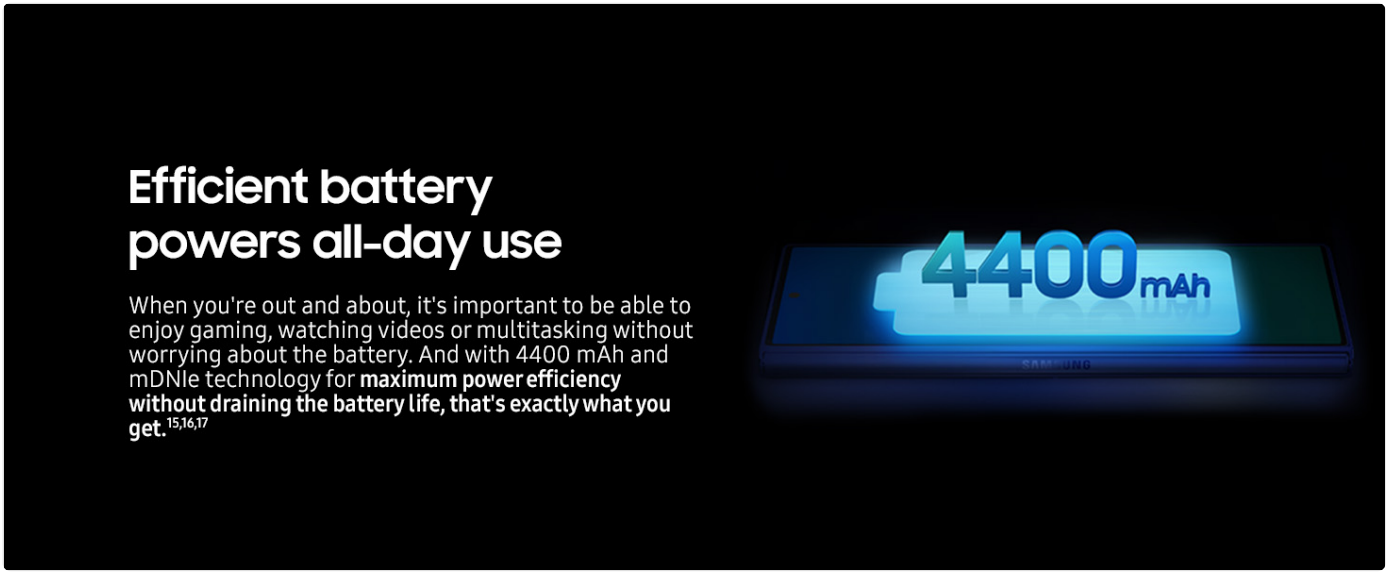


Figure 8: The Galaxy Z Fold7 showcasing its unrivaled immersive display, ideal for next-level gaming with optimized Vulkan support and real-time ray tracing.

Galaxy AI Features

Experience enhanced intelligence with Galaxy AI, offering features that streamline your daily interactions and productivity.

- **Now Brief:** Get personalized briefings for your day, including weather, schedule, and energy score, all available at a glance on the immersive main screen.
- **Photo Assist:** Preview and edit photos side-by-side. Easily move, erase, enlarge objects, adjust angles, or fill backgrounds.
- **Simple Summaries:** Organize and store large summaries from websites by simply dragging and dropping into the Notes app.

17Typical value tested under third-party laboratory condition. Typical value is the estimated average value considering the deviation in battery capacity among the battery samples tested under IEC 61960 standard. Rated capacity is 4272 mAh for Galaxy Z Fold7.
18Generative Edit feature for Photo Assist requires a network connection and Samsung Account login. Editing with Generative Edit may result in a resized photo up to 12MP. A visible watermark is overlaid on the image output upon saving in order to indicate that the image is generated by AI. The accuracy and reliability of the generated output is not guaranteed.
19Now Brief feature requires Samsung Account login. Service availability may vary by country, language, device model, apps. Some features may require a network connection. Modes and Routines need to be enabled to use Personal Data Engine for context-based Routines suggestions. User needs to consent to access permissions such as photos, videos, audio files, and calendar events. May not display moments depending upon exposure policy. The description of photos provided by moments may not align with the user's intent. Events schedule notification is supported with calendar apps that utilize Android calendar database and available if Samsung Calendar is installed. Notifications for coupons only available for coupons added to Samsung Wallet with expiration date. To check the Energy Score, the health data tracked from Samsung Galaxy Watch or Samsung Galaxy Ring must be synchronized with the Samsung Health App. The result is for your personal reference only and is not intended for medical purposes.
20Writing Assist requires a network connection and Samsung Account login. Must meet length requirements to activate feature. Service availability may vary by language. Accuracy of results is not guaranteed.
21The Personal Data Engine functions under the condition that the Personal Data Intelligence menu is on. Analyzed data will be deleted once the Personal Data Intelligence menu is turned off. Personal Data Engine recognizes select languages and certain accents/dialects, including but not limited to Arabic, (Simplified) Chinese, Dutch, English, French, German, Hindi, Indonesian, Italian, Japanese, Korean, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Thai, Turkish, and Vietnamese. Personal Data Engine currently analyzes Samsung native applications.
22Some functional widgets may require a network connection and/or Samsung Account login. Availability of functions supported within the apps may vary by country.
23Weather Wallpaper feature requires network connection to receive the weather data. It can reflect the weather data without network connection once the data is received by the device. Reflection of real-time weather conditions may be delayed as service relies on local weather information updates. Certain indoor, nighttime and low-resolution photos may not be compatible. The accuracy and reliability of the generated output is not guaranteed.

Figure 9: The 'Now Brief' feature on the Galaxy Z Fold7, providing a personalized summary of your day, including weather updates, calendar events, and activity insights.

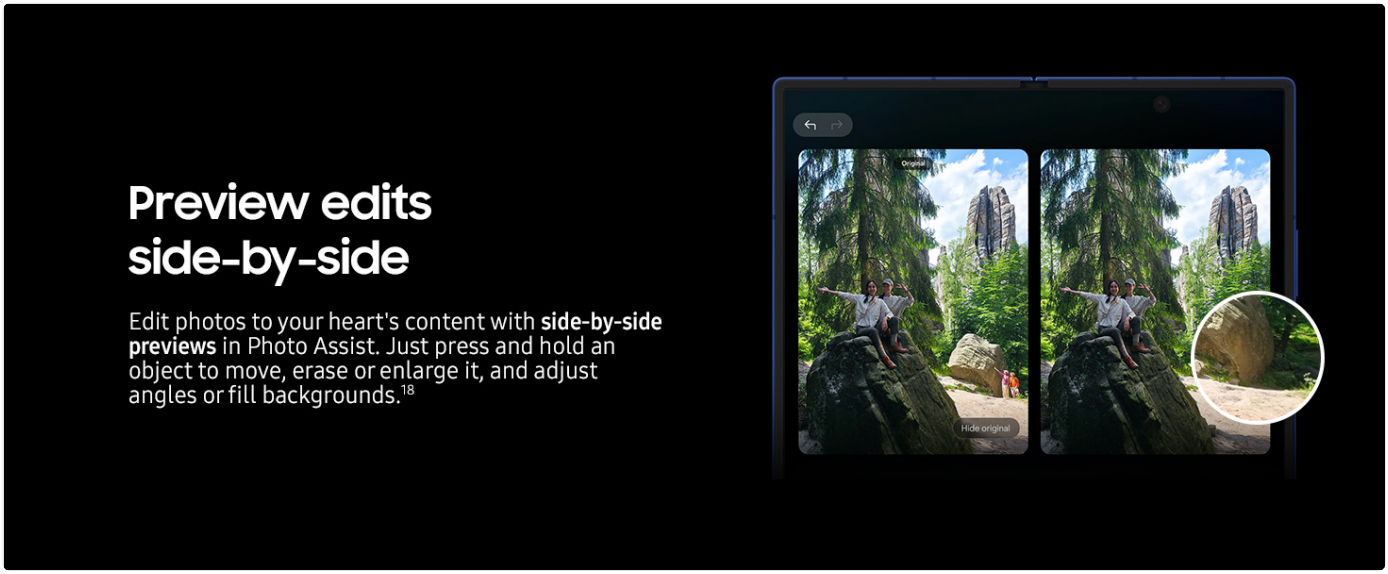


Figure 10: Demonstrating the Photo Assist feature, allowing users to preview edits side-by-side for precise adjustments to images, including object manipulation and background filling.

Battery Life

The Galaxy Z Fold7 is equipped with a 4400 mAh battery, optimized with mDNIe technology for maximum power efficiency. This ensures all-day use, whether you're gaming, watching videos, or multitasking.

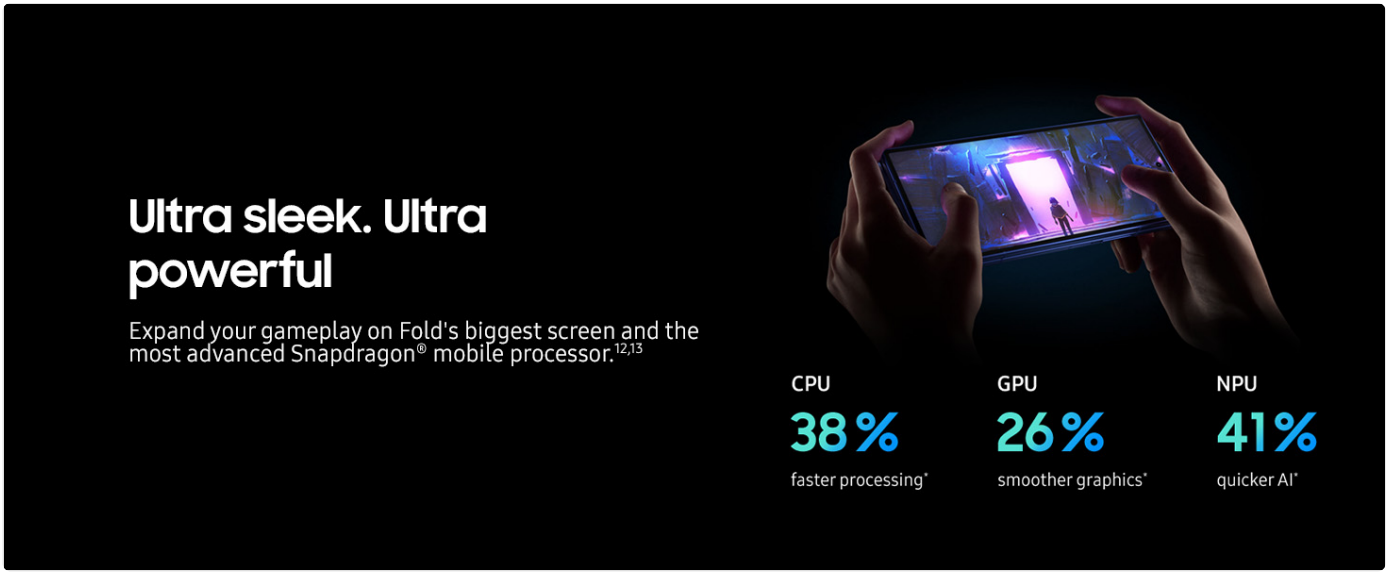


Figure 11: An illustration highlighting the 4400 mAh battery of the Galaxy Z Fold7, designed to provide efficient power for extended usage throughout the day.

Connectivity and Security

The device supports a wide range of connectivity options including Bluetooth, NFC, USB, and Wi-Fi. It also features built-in GPS for navigation. Your privacy is secured with Knox Vault, which encrypts personal data on the device, and Knox Matrix Trust Chain technology for connected device security.



Figure 12: Representation of the Knox Vault security feature, ensuring your personal data is safely encrypted and protected on the Galaxy Z Fold7.

Maintenance

To ensure the longevity and optimal performance of your Samsung Galaxy Z Fold7, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the screen and body with a soft, lint-free cloth. Avoid using harsh chemicals or abrasive materials.
- **Screen Care:** While the foldable screen is durable, avoid pressing hard on the screen with sharp objects. Keep the device free from dust and debris, especially around the hinge.
- **Software Updates:** Regularly check for and install software updates to benefit from the latest features, security patches, and performance improvements.
- **Storage Management:** Periodically clear unnecessary files and apps to maintain optimal performance and free up storage space.

Troubleshooting

If you encounter issues with your Galaxy Z Fold7, try the following common troubleshooting steps:

- **Device Unresponsive:** If the device is frozen or unresponsive, press and hold the Power button and Volume Down button simultaneously for about 7 seconds to force restart.
- **Battery Draining Quickly:** Check background app usage, reduce screen brightness, disable unnecessary features like Wi-Fi or Bluetooth when not in use, and ensure your software is up to date.
- **Network Connectivity Issues:** Toggle Airplane Mode on and off. Restart the device. Check if your SIM card is properly inserted. Contact your service provider if issues persist.
- **App Crashing:** Clear the app's cache and data in Settings > Apps. If the problem continues, uninstall and reinstall the app.
- **Overheating:** Avoid using the phone in direct sunlight or while charging for extended periods. Close demanding applications if the device feels excessively warm.

For more complex issues, consider performing a factory reset (backup your data first) or contacting Samsung customer support.

Specifications

Feature	Detail
OS	Android 16.0
RAM	12 GB
Storage	256 GB (as per model variant)
Product Dimensions	0.42 x 14.32 x 15.84 cm
Item Weight	215 g
Item Model Number	SM-F966B
Connectivity	Bluetooth, NFC, USB, Wi-Fi
GPS	True
Special Features	Always On Display, Built-In GPS, Fast Charging Support, Mobile Hotspot Capability, Stereo Speakers
Resolution	2184 x 1968
Camera Features	Front, Rear (200MP Ultra Camera)
Form Factor	Foldable Screen
Colour	Jetblack (as per model variant)
Battery Power Rating	4400 Milliamp Hours
Manufacturer	Samsung
Country of Origin	India
CPU Model	Snapdragon 8 Elite
CPU Speed	4.47 GHz

Warranty and Support

Your Samsung Galaxy Z Fold7 comes with a standard manufacturer's warranty. For detailed warranty terms and conditions, please refer to the warranty card included in your product packaging or visit the official Samsung support website.

Additional protection plans are available for purchase to extend coverage for your device:

- 2 Years Device Protection Plan
- Screen Damage Protection for 1 year
- 1 Year Extended Warranty

For technical support, service requests, or to find authorized service centers, please visit the official Samsung support website or contact their customer service hotline. You can also visit the Samsung Store on Amazon for more information and product accessories.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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