

Samsung Galaxy Z Fold7 - Enterprise Edition - jet black - 5G smartphone - 256 GB - GSM(SM-F966BZKBEEB)

Samsung Galaxy Z Fold7 - Enterprise Edition - 5G smartphone - dual-SIM - RAM 12 GB / Internal Memory 256 GB - OLED display - 8" - 8" - 2184 x 1968 pixels 2184 x 1968 pixels (120 Hz) - 3x rear cameras 200 MP, 12 MP, 10 MP - 2x front cameras 10 MP, 10 MP - jet black



Samsung Galaxy Z Fold7 is a smartphone that blends performance with versatility. Featuring an 8-inch Dynamic AMOLED 2X display, this device offers striking visuals with a resolution of 2184 x 1968 pixels and a refresh rate of 120 Hz for smooth scrolling. The secondary 6.5-inch display enhances usability, perfect for multitasking. The foldable design allows for easy portability and a unique user experience that redefines smartphone usage.

Powered by the Snapdragon 8 Elite for Galaxy processor and a robust battery capacity of 4400 mAh, the Z Fold7 delivers performance and longevity. With support for Fast Wireless Charging 2.0, along with Qualcomm Quick Charge 2.0 technology, users can experience rapid charging capabilities. Additionally, the device is equipped with photography features, including a 200-megapixel rear camera and multiple lenses for versatile shooting options, from wide-angle to telephoto shots. Capture images and videos effortlessly and enjoy the seamless interface of One UI 8 on an Android operating system, further enhanced by Samsung's features such as Galaxy AI and Samsung DeX support.

Key Selling Points

- 8-inch Dynamic AMOLED 2X display with a high resolution for crisp visuals
- Powerful Snapdragon 8 Elite for Galaxy processor for efficient performance
- Versatile camera system with 200-megapixel capability for stunning photos
- Supports Fast Wireless Charging 2.0 and Qualcomm Quick Charge 2.0
- Foldable design enhances portability and user experience

Product Features

- Dynamic display**
The Samsung Galaxy Z Fold7 boasts an 8-inch Dynamic AMOLED 2X display with a resolution of 2184 x 1968 pixels. It features a maximum brightness of 2600 cd/m2 and an adaptive refresh rate of 120 Hz, providing smooth visuals and vibrant color reproduction.
- Advanced photography**
Equipped with a 200-megapixel rear camera, the Z Fold7 captures high-quality images with precision. The camera features versatile modes including Portrait and Nightography, alongside technologies like Optical Image Stabilization and Space Zoom x30.
- Long-lasting battery**
With a capacity of 4400 mAh, the battery of the Z Fold7 is designed to support extensive usage. It incorporates fast charging technologies and wireless charging compatibility, ensuring that users can quickly power up their device on the go.
- Powerful performance**
The smartphone is driven by the Snapdragon 8 Elite for Galaxy processor, delivering speed and efficiency for multitasking and running demanding applications. The 8-core architecture ensures optimal performance for various tasks.
- Enhanced user experience**
The Z Fold7 features One UI 8 built on Android, delivering a streamlined and user-friendly interface. With support for Samsung DeX and various multitasking features, users can easily switch between tasks and utilize the full potential of the foldable design.

Main Specifications

Product Description	Samsung Galaxy Z Fold7 - Enterprise Edition - jet black - 5G smartphone - 256 GB - GSM
Product Type	5G smartphone
Manufacturer Model Number	SM-F966B/DS
Display	OLED display - 2184 x 1968 pixels - 8" - 368 ppi - (120 Hz) - 20:18 - Dynamic AMOLED 2X - Corning Gorilla Glass Ceramic 2 (scratch resistant glass) - inward - foldable
Display (2nd)	Dynamic AMOLED 2X - colour - 6.5"
Display (Unfolded)	8 in - 2184 x 1968 pixels

Processor	Qualcomm Snapdragon 8 Elite for Galaxy 4.47 GHz (8-core)
Neural Processor Unit (NPU)	Qualcomm Hexagon
Graphics Accelerator	Qualcomm ADRENO
Memory	RAM 12 GB / 256 GB
Operating System	Android 16 with One UI 8
Main Camera	200 Megapixel - wide-angle lens - f/1.7 - focus: automatic
Second Camera	12 Megapixel - ultra wide-angle lens - f/2.2
Third Camera	10 Megapixel - telephoto lens - 3x optical zoom - f/2.4
Front Camera	10 Megapixel f/2.2
Second Front Camera	10 Megapixel - f/2.2
Service Provider	Not specified
Form Factor	Folder - touch screen, dual screen
SIM Card	Dual-SIM - nano SIM, Electronic SIM card (e-SIM)
Wireless Interface	NFC, UWB, Wi-Fi 7, Bluetooth
Security Devices	Fingerprint reader (side)
Connectors	USB-C
Wireless Charging Standards	WPC, Qi, Fast Wireless Charging 2.0, Wireless PowerShare
Protection	Water-resistant
Colour	Jet black
Dimensions (WxDxH)	72.8 mm x 8.9 mm x 158.4 mm
Weight	215 g
Specific Absorption Rate (SAR)	1.418 W/kg (head) 1.242 W/kg (body) 2.36 W/kg (limb)
Manufacturer Warranty	3-year warranty

Extended Specification

General

Product Type	Smartphone
Manufacturer Model Number	SM-F966B/DS
Form Factor	Folder - touch screen, dual screen
Protection	Water-resistant
Width	72.8 mm
Depth	8.9 mm
Height	158.4 mm
Weight	215 g
Dimensions Details	Folded - 72.8 mm x 8.9 mm x 158.4 mm Unfolded - 143.2 mm x 4.2 mm x 158.4 mm
Body Colour	Jet black
Body Material	Corning Gorilla Glass Victus 2, Advanced Armor Aluminium frame

Memory

RAM	12 GB
Internal Memory Capacity	256 GB
User Memory	223.6 GB

Manufacturer Warranty

Service & Support	Limited warranty - 3 years
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Processor

Type	Qualcomm Snapdragon 8 Elite for Galaxy
Clock Speed	4.47 GHz

Processor Core Qty	8-core
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Miscellaneous

Ingress Protection Rating	IP48
Repeated Free Fall Reliability Class	Class A
Compliant Standards	IEC 61960, USB 3.2 Gen 1, Android Audio Streaming for Hearing Aid (ASHA), IP48
Included Accessories	SIM card removal tool, USB-C cable

Environmental Parameters

Max Depth of Water Resistance	1.5 m
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Display

Type	OLED display
Technology	Dynamic AMOLED 2X
Diagonal Size	8"
Display Resolution	2184 x 1968 pixels
Display Format	QXGA+
Foldable	Yes
Design	Inward folding
Pixel Density	368 ppi
Aspect Ratio	20:18
Max Brightness	2600 cd/m²
Colour Depth	16 million colours
Enhancement Technology	Vision Booster technology
Refresh Rate	120 Hz
Protection	Corning Gorilla Glass Ceramic 2 (scratch resistant glass)
Features	1-120Hz adaptive refresh rate, mobile Digital Natural Image engine (mDNIe) technology

Battery

Capacity	4400 mAh
Fast Charging Technology	Qualcomm Quick Charge 2.0, Adaptive Fast Charging
Wireless Charging	Yes
Wireless Charging Standards	WPC, Qi, Fast Wireless Charging 2.0, Wireless PowerShare
Battery Endurance per Cycle	2428 min
Battery Endurance in Cycles	2000
Run Time Details	Playback (wireless video): up to 24 hrs

Communications

Data Transmission	FDD-LTE, TDD-LTE, 5G NR
2G Band	850 GSM, 900 GSM, 1800 GSM, 1900 GSM
3G UMTS Band	Band 1, Band 2, Band 4, Band 5, Band 8
3G UMTS Frequency	2100, 1900, 1700, 850, 900
4G LTE Band	Band 1, Band 2, Band 3, Band 4, Band 5, Band 7, Band 8, Band 12, Band 13, Band 17, Band 18, Band 19, Band 20, Band 25, Band 26, Band 28, Band 32, Band 38, Band 39, Band 40, Band 41, Band 66
4G LTE Frequency	FDD 2100, FDD 1900 PCS, FDD 1800+, FDD 1700 - 2110 AWS, FDD 850, FDD 2600, FDD 900, FDD 700a, FDD 700c, FDD 700b, FDD 800 lower, FDD 800 upper, FDD 800 DD, FDD 1900+, FDD 850+, FDD 700 APT, FDD 1500 L, TDD 2600, TDD 1900, TDD 2300, TDD 2500, FDD 1700 - 2110 AWS-3
5G NR Band	N1, n2, n3, n5, n7, n8, n20, n28, n38, n41, n66, n75, n77, n78, n40, n25, n12, n26

5G NR Frequency	FDD 2100, FDD 1900PCS, FDD 1800, FDD 850, FDD 2600, FDD 900, FDD 800, FDD 700APT, TDD TD 2600, TDD TD 2500, FDD AWS-3, SDL DL 1500+, TDD TD 3700, TDD TD 3500, TDD 2300, FDD 1900, n12, FDD 850
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Wireless Interface	NFC, Ultra-Wideband (UWB), IEEE 802.11a/b/g/n/ac/ax/be, Bluetooth 5.4
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Connections

Connector Type	USB Type-C - 24 pin USB-C
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Phone Features

Sensors	Accelerometer, proximity sensor, barometer, gyro sensor, hall sensor, geomagnetic sensor, light sensor
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Security Devices	Fingerprint reader (side)
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Additional Features	Multi Window, MIMO technology, Samsung KNOX, Samsung DeX support, Samsung Smart Switch, dual battery, Samsung Knox Vault, 2 years of product availability from launch date, Live Translate, Samsung Knox Suite, 7 years of Security Updates, Galaxy AI, Circle to Search, Note Assist, Samsung Knox Matrix, Interpreter, Transcript Assist, 7 generations of OS upgrades, Secure Wi-Fi, SmartThings Support, Ray Tracing, Browsing Assist, Drawing Assist, Quick Share, Now Brief, Writing Assist, Audio Eraser, Personal Data Engine, Vulkan optimisation, post-quantum cryptography, Gemini Live, Armor FlexHinge, Multimodal AI, AI Results View, Split View, Floating View, Drag & Drop, Knox Enhanced Encrypted Protection (KEEP)
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Cellular

Technology	WCDMA (UMTS) / GSM
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Mobile Broadband Generation	5G
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Service Provider	Not specified
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Operating System	Android 16
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User Interface	One UI 8
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Intelligent Assistant	Google Gemini
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Navigation	GPS, GLONASS, BeiDou, Galileo, QZSS
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SIM Card Type	Nano SIM, Electronic SIM card (e-SIM)
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SIM Card Qty	Dual-SIM
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Input Device	Multi-touch
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Display (2nd)

Type	Dynamic AMOLED 2X - colour
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Diagonal Size	6.5"
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Display Resolution	2520 x 1080 pixels
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Colour Depth	16 million colours
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Graphics System

Graphics Accelerator	Qualcomm ADRENO
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Media Player

Supported Digital Audio Standards	WAV, AAC, AMR, MP3, FLAC, XMF, OGG, MIDI, APE (Monkey's Audio), M4A, DSF, MXMF, OGA, 3GA, AWB, IMY, RTTTL, RTX, OTA, DFF, MID
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Supported Digital Video Standards	MKV, FLV, AVI, 3GP, M4V, WebM, 3G2, MP4
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Front Camera

Sensor Resolution	10 Megapixel
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Lens Aperture	F/2.2
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Field of View (FoV)	100 degree(s)
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Pixel Size	1.12 µm
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Second Front Camera

Sensor Resolution	10 Megapixel
Lens Aperture	F/2.2
Field of View (FoV)	85 degree(s)
Pixel Size	1.12 μm
Features	Under display camera

Display (Unfolded)

Diagonal Size	8 in
Display Resolution	2184 x 1968 pixels

Main Camera

Sensor Resolution	200 Megapixel
Optical Image Stabiliser	Optical Image Stabiliser (OIS)
Lens Type	Wide-angle lens
Lens Aperture	F/1.7
Field of View (FoV)	85 degree(s)
Pixel Size	0.6 μm
Focus Adjustment	Automatic
Camera Modes	Portrait, Nightography
Light Source	LED flash
Video Resolutions	Slo-mo video 1920 x 1080 (1080p) at 120 fps, Slo-mo video 1920 x 1080 (1080p) at 240 fps, Slo-mo video 3840 x 2160 (4K) at 120 fps, 7680 x 4320 (UHD 8K) at 30fps
Features	Generative Edit, Photo Assist, 2x Optical Quality Zoom, Adaptive Pixel Sensor, Portrait Studio, 10-bit HDR recording, next-generation ProVisual Engine, Quad Pixel AF, Night Video, Suggest Erases, Side-by-Side Editing, Show Original

Second Camera

Sensor Resolution	12 Megapixel
Lens Type	Ultra wide-angle lens
Lens Aperture	F/2.2
Field of View (FoV)	120 degree(s)
Pixel Size	1.4 μm
Features	Dual Pixel AF

Third Camera

Sensor Resolution	10 Megapixel
Optical Zoom	3x
Optical Image Stabiliser	Optical Image Stabiliser (OIS)
Lens Type	Telephoto lens
Lens Aperture	F/2.4
Field of View (FoV)	36 degree(s)
Pixel Size	1 μm
Features	Phase Detect Auto-Focus (PDAF), Space Zoom x30, AI Super Resolution technology

Sustainability Information

Repairability Class	Class C
Product Recycled Content	13.7 %

Neural Processor Unit (NPU)

Artificial Intelligence Processor Family	Qualcomm
Artificial Intelligence Processor Model	Hexagon

What's in the box

Samsung Galaxy Z Fold7 Enterprise Edition
SIM card removal tool, USB-C cable

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet