

Samsung Galaxy Z Flip7 - jet black - 5G smartphone - 256 GB - GSM(SM-F766BZKGEUB)

Galaxy Z Flip 7 5G 256GB Jetblack



The Samsung Galaxy Z Flip7 combines elegance with advanced technology, featuring a sleek flip design and a vibrant 6.9-inch Dynamic AMOLED 2X display. This smartphone, powered by the Exynos 2500 processor and equipped with 12 GB of LPDDR5X RAM, ensures smooth multitasking and performance for all daily tasks. With its 4300 mAh battery, users can expect substantial endurance and the convenience of wireless charging, including Wireless PowerShare for charging other devices. Photography enthusiasts will appreciate the dual rear cameras, comprising a 50-megapixel wide-angle lens and a 12-megapixel ultra-wide-angle lens, allowing for impressive versatility and creativity in capturing moments. The Z Flip7 also supports 5G connectivity and features a number of useful applications for enhanced productivity while on the go. With its innovative design, exceptional battery life, and extensive camera capabilities, the Samsung Galaxy Z Flip7 stands out as a sophisticated device for those who value functionality and style.

Key Selling Points

- 6.9-inch Dynamic AMOLED 2X display with a 120 Hz refresh rate
- 2 rear cameras with versatile shooting modes for stunning photography
- 4300 mAh battery with wireless charging and Wireless PowerShare capability
- 5G connectivity for high-speed Internet access
- Sleek flip design with dual screens for a compact and stylish experience

Product Features

- Impressive display quality**
The 6.9-inch OLED display features a Full HD+ resolution of 2520 x 1080 pixels with HDR10+ support, ensuring vibrant colors and exceptional clarity for all viewing experiences.
- Powerful camera system**
Featuring a dual rear camera setup with a 50-megapixel wide-angle lens and a 12-megapixel ultra-wide-angle lens, the Galaxy Z Flip7 allows for stunning image capture in a variety of modes, including Portrait and Night modes.
- Long-lasting battery performance**
With a 4300 mAh battery capable of lasting through heavy usage, including 2524 minutes of playback and wireless charging options, the Z Flip7 is equipped to handle all-day demands.
- Enhanced connectivity features**
Equipped with 5G technology, as well as Wi-Fi 6E and Bluetooth 5.4, the Samsung Galaxy Z Flip7 ensures speedy connections and reliable interactions, making it suitable for any modern user.
- Advanced security options**
The device includes various security features such as a fingerprint reader and face recognition technology, providing users with peace of mind and enhanced protection for personal data.

Main Specifications

Product Description	Samsung Galaxy Z Flip7 - jet black - 5G smartphone - 256 GB - GSM
Product Type	5G smartphone
Energy Label QR Code URL	https://eprel.ec.europa.eu/qr/2284558
Energy Class	Class B
Manufacturer Model Number	SM-F766B
Display	OLED display - 2520 x 1080 pixels - 6.9" - 400 ppi - (120 Hz) - 21:9 - Dynamic AMOLED 2X - HDR - Corning Gorilla Glass Victus 2 (scratch resistant glass) - inward - foldable
Display (2nd)	OLED display - colour - 4.1"
Processor	Samsung Exynos 2500 3.3 GHz (10-core)
Memory	RAM 12 GB / 256 GB
Operating System	Android 15 with One UI 8
Main Camera	50 Megapixel - wide-angle lens - f/1.8 - focus: automatic
Second Camera	12 Megapixel - ultra wide-angle lens - f/2.2

Front Camera	10 Megapixel f/2.2 - focus free
Service Provider	Not specified
Form Factor	Folder (flip) - touch screen, dual screen
SIM Card	Dual-SIM - nano SIM, Electronic SIM card (e-SIM)
Wireless Interface	Wi-Fi 7, Bluetooth, NFC
Security Devices	Face recognition, fingerprint reader (side)
Connectors	USB-C
Wireless Charging Standards	Wireless PowerShare
Protection	Water-resistant
Colour	Jet black
Dimensions (WxDxH)	75.2 mm x 6.5 mm x 166.7 mm
Weight	188 g
Repairability Index	8.1 (out of 10)
Specific Absorption Rate (SAR)	0.689 W/kg (head) 1.215 W/kg (body) 2.45 W/kg (limb)
Manufacturer Warranty	2-year warranty

Extended Specification

General

Product Type	Smartphone
Energy Label QR Code URL	https://eprel.ec.europa.eu/qr/2284558
Energy Class	Class B
Manufacturer Model Number	SM-F766B
Form Factor	Folder (flip) - touch screen, dual screen
Protection	Water-resistant
Width	75.2 mm
Depth	6.5 mm
Height	166.7 mm
Weight	188 g
Dimensions Details	Unfolded - 75.2 mm x 6.5 mm x 166.7 mm Folded - 75.2 mm x 13.7 mm x 85.5 mm
Body Colour	Jet black
Body Material	Armor Aluminium 2 frame, Corning Gorilla Glass Victus 2

Memory

RAM	LPDDR5X SDRAM - 12 GB
Internal Memory Capacity	256 GB
User Memory	223.8 GB

Manufacturer Warranty

Service & Support	Limited warranty - 2 years
Regional Warranty Exceptions	Spain - 3 years

Processor

Type	Samsung Exynos 2500
Clock Speed	3.3 GHz
Processor Core Qty	10-core

Miscellaneous

Ingress Protection Rating	IP48
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Repeated Free Fall Reliability Class	Class A
Compliant Standards	IP48, USB 3.2 Gen 1, Android Audio Streaming for Hearing Aid (ASHA), IEC 61960
Included Accessories	SIM card removal tool, USB-C to 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	6.9"
Display Resolution	2520 x 1080 pixels
Display Format	Full HD+
Foldable	Yes
Design	Inward folding
Pixel Density	400 ppi
Aspect Ratio	21:9
Max Brightness	2600 cd/m²
Colour Depth	16.7 million colours
HDR	Yes
HDR Technology	HDR10+
Enhancement Technology	Vision Booster technology
Refresh Rate	120 Hz
Protection	Corning Gorilla Glass Victus 2 (scratch resistant glass)
Features	Edge-to-Edge screen, FlexWindow, 1-120Hz adaptive refresh rate, Infinity Flex, AOD(Always On Display), secondary screen: 342 PPI

Battery

Capacity	4300 mAh
Wireless Charging	Yes
Wireless Charging Standards	Wireless PowerShare
Battery Endurance per Cycle	2524 min
Battery Endurance in Cycles	2000
Run Time Details	Playback (wireless video): up to 31 hrs

Communications

Data Transmission	FDD-LTE, TDD-LTE, 5G NR FR1
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, n12, n20, n25, n26, n28, n38, n40, n41, n66, n75, n77, n78
5G NR Frequency	FDD 2100, FDD 1900PCS, FDD 1800, FDD 850, FDD 2600, FDD 900, n12, FDD 800, FDD 1900, FDD 850, FDD 700APT, TDD TD 2600, TDD 2300, TDD TD 2500, FDD AWS-3, SDL DL 1500+, TDD TD 3700, TDD TD 3500
Wireless Interface	IEEE 802.11a/b/g/n/ac/ax/be, Bluetooth 5.4, NFC

Connections

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

Sensors	Accelerometer, barometer, gyro sensor, geomagnetic sensor, proximity sensor, hall sensor, light sensor
Security Devices	Face recognition, fingerprint reader (side)
Additional Features	MIMO technology, Samsung DeX support, SmartThings Support, Galaxy AI, Armor FlexHinge, Samsung Knox Vault, Samsung KNOX, Samsung Knox Matrix Trust Chain technology, Samsung Smart Switch, Quick Share, Rich Communication Services (RCS), Samsung Wallet, Gemini Live, Now Brief, Circle to Search, Note Assist, Transcript Assist, Interpreter, Call Assist, Writing Assist, Photo Assist, Drawing Assist, Samsung Care+, Samsung Health, dual stereo speakers, Fast Charging, Now Bar, 7 years of Security Updates, 7 generations of OS upgrades

Cellular

Technology	WCDMA (UMTS) / GSM
Mobile Broadband Generation	5G
Service Provider	Not specified
Operating System	Android 15
User Interface	One UI 8
Intelligent Assistant	Google Gemini
Navigation	GPS, GLONASS, BeiDou, Galileo, QZSS
SIM Card Type	Nano SIM, Electronic SIM card (e-SIM)
SIM Card Qty	Dual-SIM
Payment Technology	Samsung Pay
Input Device	Multi-touch

Display (2nd)

Type	OLED display - colour
Diagonal Size	4.1"
Display Resolution	1048 x 948 pixels
Colour Depth	16.7 million colours

Media Player

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

Front Camera

Sensor Resolution	10 Megapixel
Lens Aperture	F/2.2
Focus Adjustment	Focus free
Field of View (FoV)	85 degree(s)
HDR Mode	HDR10+ video
Camera Modes	Palm shutter
Video Resolutions	3840 x 2160 (4K) at 60 fps
Light Source	Display flash

Main Camera

Sensor Resolution	50 Megapixel
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Optical Image Stabiliser	Optical Image Stabiliser (OIS)
Lens Type	Wide-angle lens
Lens Aperture	F/1.8
Field of View (FoV)	85 degree(s)
Focus Adjustment	Automatic
Digital Zoom	10x
Camera Modes	Night, Portrait, Expert RAW mode, Professional mode, Food, Panorama, Slow motion mode, HYPERLAPSE, Dual Record, Single Take
HDR Mode	HDR10+ video
Light Source	LED flash
Video Resolutions	3840 x 2160 (4K) at 60 fps, Slo-mo video 1920 x 1080 (1080p) at 120 fps, Slo-mo video 1920 x 1080 (1080p) at 240 fps
Features	Adaptive Pixel Sensor, ProVisual Engine, AI Zoom, Scene Optimiser, Auto framing, Quick Launch, FlexCam, Photo Assist, Auto Zoom, real-time photo filters, Dual preview, Portrait Studio, 2x Optical Quality Zoom

Second Camera

Sensor Resolution	12 Megapixel
Lens Type	Ultra wide-angle lens
Lens Aperture	F/2.2
Field of View (FoV)	123 degree(s)

Sustainability Information

Repairability Index	8.1 (out of 10)
Repairability Class	Class C
Product Recycled Content	18.2 %

What's in the box

- Samsung Galaxy Z Flip7
- SIM card removal tool, USB-C to USB-C cable

*TD SYNnex is not responsible for errors in the documentation of products.