

Samsung Galaxy Z Fold5 - 5G smartphone - dual-SIM - RAM 12 GB / Internal Memory 512 GB - OLED display - 7.6" - 7.6" - 2176 x 1812 pixels 2176 x 1812 pixels (120 Hz) - 3x rear cameras 50 MP, 12 MP, 10 MP - 2x front cameras 10 MP, 4 MP - phantom black



Not in stock

SKU	SM-F946BZKCEUB
Product Description:	Samsung Galaxy Z Fold5 - phantom black - 5G smartphone - 512 GB - GSM
Product Type:	5G smartphone
Manufacturer Model Number:	SM-F946B/DS
Display:	OLED display - 2176 x 1812 pixels - 7.6" - 374 ppi - (120 Hz) - 21.6:18 - Infinity Flex Dynamic AMOLED 2X - HDR - Corning Gorilla Glass Victus 2 (scratch resistant glass) - inward - foldable
Display (2nd):	OLED display - colour - 6.2"
Display (Unfolded):	7.6 in - 2176 x 1812 pixels
Processor:	Qualcomm Snapdragon 8 Gen 2 3.36 GHz (8-core)

General

Product Type:	Smartphone
Manufacturer Model Number:	SM-F946B/DS
Form Factor:	Folder - touch screen, dual screen
Protection:	Water-resistant
Width:	67.1 mm
Depth:	13.4 mm
Height:	154.9 mm
Weight:	253 g
Dimensions Details:	Folded - 67.1 mm x 13.4 mm x 154.9 mm ; Unfolded - 129.9 mm x 6.1 mm x 154.9 mm
Body Colour:	Phantom black
Body Material:	Armour Aluminium frame, Corning Gorilla Glass Victus 2

Environmental Parameters

Max Depth of Water Resistance:	1.5 m
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Sustainability Information

Repairability Index:	8 (out of 10)
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Manufacturer Warranty

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

Miscellaneous

Compliant Standards:	VDE, HAC (Hearing Aid Compatible), IPX8, IEC 61960
Included Accessories:	SIM card removal tool, USB-C cable

General

SAR Value:	1.244 W/kg (head), 3.12 W/kg (limb), 1.193 W/kg (body)
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Cellular

Technology:	WCDMA (UMTS) / GSM
Mobile Broadband Generation:	5G
Service Provider:	Not specified
Operating System:	Android 13
User Interface:	One UI 5.1.1
Intelligent Assistant:	Bixby
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

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

Battery

Capacity:	4400 mAh
Fast Charging Technology:	Qualcomm Quick Charge 2.0, Adaptive Fast Charging, Samsung Super Fast Charging
Wireless Charging:	Yes
Wireless Charging Standards:	WPC, Qi, Fast Wireless Charging 2.0, Wireless PowerShare
Talk Time:	2400 minutes
Run Time Details:	Active online usage (LTE): up to 17 hrs Active online usage (Wi-Fi): up to 18 hrs Playback (wireless video): up to 21 hrs Playback (wireless audio): up to 73 hrs Talk (4G): up to 2400 min

Connections

Connector Type:	USB Type-C - 24 pin USB-C
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Display (Unfolded)

Diagonal Size:	7.6 in
Display Resolution:	2176 x 1812 pixels

Display (2nd)

Type:	OLED display - colour
Diagonal Size:	6.2"
Display Resolution:	2316 x 904 pixels
Colour Depth:	16.7 million colours

Display

Type:	OLED display
Technology:	Infinity Flex Dynamic AMOLED 2X
Diagonal Size:	7.6"
Display Resolution:	2176 x 1812 pixels
Display Format:	QXGA+
Foldable:	Yes

Communications

5G NR Band:	N1, n2, n3, n5, n7, n8, n20, n28, n38, n41, n66, n75, n77, n78, n40, n25, n12
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
Wireless Interface:	NFC, IEEE 802.11a/b/g/n/ac/ax, Ultra-Wideband (UWB), Wi-Fi 6E, Bluetooth 5.3

Phone Features

Sensors:	Accelerometer, proximity sensor, barometer, gyro sensor, hall sensor, geomagnetic sensor, light sensor
Security Devices:	Face recognition, fingerprint reader (side)
Additional Features:	Multitasking, Multi Window, MIMO technology, Samsung KNOX, Samsung DeX support, Samsung Smart Switch, dual battery, Flex mode, Samsung Knox Vault, S Pen support, taskbar

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
Supported Digital Video Standards:	MKV, FLV, AVI, 3GP, M4V, WebM, 3G2, MP4

Processor

Type:	Qualcomm Snapdragon 8 Gen 2
Clock Speed:	3.36 GHz
Processor Core Qty:	8-core

Memory

RAM:	LPDDR5X SDRAM - 12 GB
Internal Memory Capacity:	512 GB
User Memory:	453.3 GB

Display

Design:	Inward folding
Pixel Density:	374 ppi
Aspect Ratio:	21.6:18
Max Brightness:	1750 cd/m²
Colour Depth:	16.7 million colours
HDR:	Yes
HDR Technology:	HDR10+
Refresh Rate:	120 Hz
Protection:	Corning Gorilla Glass Victus 2 (scratch resistant glass)
Features:	100% DCI-P3

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

Second Camera

Sensor Resolution:	12 Megapixel
Lens Type:	Ultra wide-angle lens
Lens Aperture:	F/2.2
Field of View (FoV):	123 degree(s)
Pixel Size:	1.12 µm

Main Camera

Sensor Resolution:	50 Megapixel
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Front Camera

Sensor Resolution:	10 Megapixel
Lens Aperture:	F/2.2
Field of View (FoV):	85 degree(s)
Pixel Size:	1.22 µm

Second Front Camera

Sensor Resolution:	4 Megapixel
Lens Aperture:	F/1.8
Field of View (FoV):	80 degree(s)
Pixel Size:	2 µm
Features:	Under display camera

Main Camera

Optical Image Stabiliser:	Optical Image Stabiliser (OIS)
Lens Type:	Wide-angle lens
Lens Aperture:	F/1.8
Field of View (FoV):	85 degree(s)
Pixel Size:	1 µm
Focus Adjustment:	Automatic
Self-Timer Delay:	Yes
Camera Modes:	Nightography, Capture View, Astro Hyperlapse
Light Source:	LED flash
Video Resolutions:	7680 x 4320 (8K) at 30fps
Features:	RAW image capture, Dual Pixel Autofocus technology, AI Super Resolution, Dual preview, Auto FPS

