

Galaxy Z Fold 8 Ultra 5G 256GB Graphite (SM-F976BZKBEUB)

Samsung Galaxy Z Fold8 Ultra - 5G smartphone - dual-SIM - RAM 12 GB / Internal Memory 256 TB - OLED display - 8" - 8" - 2504 x 2256 pixels 2504 x 2256 pixels (120 Hz) - 3x rear cameras 200 MP, 50 MP, 10 MP - 2x front cameras 10 MP, 10 MP - graphite



Main specifications

Product Description	Samsung Galaxy Z Fold8 Ultra - graphite - 5G smartphone - 256 TB - GSM
Product Type	5G smartphone
Energy Label QR Code URL	https://eprel.ec.europa.eu/qr/2600776
Energy Class	Class A
EU Data Act	https://dataact.samsung.com/#!/public/notice-page?locale=en
Manufacturer Model Number	SM-F976B
Display	OLED display - 2504 x 2256 pixels - 8" - 422 ppi - (120 Hz) - Dynamic AMOLED 2X - Corning Gorilla Glass Victus 2 (scratch resistant glass), Corning Gorilla Glass Ceramic 3 (scratch resistant glass) - inward - foldable
Display (2nd)	OLED display - colour - 6.5"
Display (Unfolded)	8 in - 2504 x 2256 pixels
Processor	Qualcomm Snapdragon 8 Elite Gen 5 for Galaxy 4.74 GHz (8-core)
Neural Processor Unit (NPU)	Qualcomm Hexagon
Graphics Accelerator	Qualcomm ADRENO
Memory	RAM 12 GB / Internal Memory 256 TB
Operating System	Android 17 with One UI 9
Main Camera	200 Megapixel - wide-angle lens - f/1.7 - focus: automatic
Second Camera	50 Megapixel - ultra wide-angle lens - f/1.9
Third Camera	10 Megapixel - telephoto lens - 3x optical zoom - f/2.4
Front Camera	10 Megapixel f/2.2 - focus free
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
Connectors	USB-C
Wireless Charging Standards	WPC, Qi, Fast Wireless Charging, Wireless PowerShare
Protection	Water-resistant
Colour	Graphite
Dimensions (WxDxH)	72.8 mm x 8.9 mm x 158.4 mm
Weight	215 g
Specific Absorption Rate (SAR)	0.821 W/kg (head) † 1.167 W/kg (body) † 2.87 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/2600776
Energy Class	Class A
Manufacturer Model Number	SM-F976B
EU Data Act	Https://dataact.samsung.com/#!/public/notice-page?locale=en
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 4.1 mm x 158.4 mm
Body Colour	Graphite
Body Material	Armour Aluminium frame, Corning Gorilla Glass Victus 2, flex titanium

Memory

RAM	12 GB
Internal Memory Capacity	256 TB
User Memory	218.6 GB

Manufacturer Warranty

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

Processor

Type	Qualcomm Snapdragon 8 Elite Gen 5 for Galaxy
Clock Speed	4.74 GHz
Processor Core Qty	8-core

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 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	8"
Display Resolution	2504 x 2256 pixels
Display Format	QXGA+
Foldable	Yes
Design	Inward folding

Pixel Density	422 ppi
Max Brightness	3000 cd/m²
Colour Depth	16 million colours
Enhancement Technology	Vision Booster technology
Refresh Rate	120 Hz
Protection	Corning Gorilla Glass Victus 2 (scratch resistant glass), Corning Gorilla Glass Ceramic 3 (scratch resistant glass)
Features	1-120Hz adaptive refresh rate, secondary screen: 422 PPI, mobile Digital Natural Image engine (mDNle) technology

Battery

Technology	Lithium Ion
Capacity	5000 mAh
Fast Charging Technology	Qualcomm Quick Charge 2.0, Adaptive Fast Charging
Wireless Charging	Yes
Wireless Charging Standards	WPC, Qi, Fast Wireless Charging, Wireless PowerShare
Battery Endurance per Cycle	3070 min
Battery Endurance in Cycles	1200
Run Time Details	Playback (wireless video): up to 27 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, 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
Wireless Interface	NFC, Ultra-Wideband (UWB), IEEE 802.11a/b/g/n/ac/ax/be, Bluetooth 6.0

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
Security Devices	Fingerprint reader
Additional Features	MIMO technology, Fast Charging, Samsung KNOX, Samsung DeX support, Samsung Smart Switch, dual stereo speakers, Samsung Knox Vault, Samsung Wallet, Galaxy AI, Photo Assist, Samsung Health, Samsung Care+, SmartThings Support, Ray Tracing, Quick Share, Personal Data Engine, Vulkan optimisation, Armor FlexHinge, Split View, Samsung Knox Matrix Trust Chain technology, Now Nudge

Cellular

Technology	WCDMA (UMTS) / GSM
Mobile Broadband Generation	5G
Service Provider	Not specified
Operating System	Android 17

User Interface	One UI 9
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	6.5"
Display Resolution	2520 x 1080 pixels
Colour Depth	16 million colours

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

Front Camera

Sensor Resolution	10 Megapixel
Lens Aperture	F/2.2
Focus Adjustment	Focus free
Field of View (FoV)	100 degree(s)
Pixel Size	1.12 μ m

Second Front Camera

Sensor Resolution	10 Megapixel
Lens Aperture	F/2.2
Field of View (FoV)	85 degree(s)
Pixel Size	1.12 μ m

Display (Unfolded)

Diagonal Size	8 in
Display Resolution	2504 x 2256 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 μ m
Focus Adjustment	Automatic
Digital Zoom	30x
Camera Modes	Slow motion mode, Portrait, High-res, 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	ProVisual Engine, Photo Assist, 2x Optical Quality Zoom, Adaptive Pixel Sensor, Quad Pixel AF

Second Camera

Sensor Resolution	50 Megapixel
Lens Type	Ultra wide-angle lens
Lens Aperture	F/1.9
Field of View (FoV)	120 degree(s)
Pixel Size	0.7 μ m
Features	Quad 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 μ m
Features	Phase Detect Auto-Focus (PDAF)

Sustainability Information

Repairability Class	Class C
Product Recycled Content	14.39 %

Neural Processor Unit (NPU)

Artificial Intelligence Processor Family	Qualcomm
Artificial Intelligence Processor Model	Hexagon

What's in the box

Samsung Galaxy Z Fold8 Ultra
SIM card removal tool, USB-C to USB-C cable

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