SAMSUNG

Samsung Galaxy Z Fold5 SM-F946B 19.3 cm (7.6") Dual SIM Android 13 5G USB Type-C 12 GB 512 GB 4400 mAh Cream

Brand : Samsung

Product family: Galaxy

Product code: SM-F946BZECEUB

Product name : SM-F946B

- Our lightest, most compact Galaxy Z Fold
- Immersive viewing with 7.6'' Main Display
- The most advanced multitasking experience on a Samsung Galaxy smartphone

Galaxy Z Fold5
Samsung Galaxy Z Fold5 SM-F946B. Display diagonal: 19.3 cm (7.6"), Display resolution: 2176 x 1812 pixels. Processor family: Qualcomm Snapdragon, Processor model: 8 Gen 2. RAM capacity: 12 GB, Internal storage capacity: 512 GB. Rear camera resolution (numeric): 50 MP, Rear camera type: Triple camera. SIM card capability: Dual SIM. Operating system installed: Android 13. Battery capacity: 4400 mAh. Product colour: Cream. Weight: 253 g

Display

Display diagonal *	19.3 cm (7.6")
Screen shape	Flat
Display technology marketing name	Dynamic AMOLED 2X
Panel type	OLED
Display glass type	Gorilla Glass
Gorilla Glass version	Gorilla Glass Victus 2
Display resolution *	2176 x 1812 pixels
Display number of colours	16 million colours
Maximum refresh rate	120 Hz
Display brightness	1200 cd/m²
Maximum display brightness (Outdoor)	1750 cd/m²
Pixel density	374 ppi
Brand specific technologies	Always-on display
Second display	✓
Second display diagonal	15.8 cm (6.2")
Second display resolution	2316 x 904 pixels
Second display brightness	1000 cd/m²
Second display refresh rate	120 Hz

Processor

Processor family *	Qualcomm Snapdragon
Processor model *	8 Gen 2
Processor cores	8
Processor boost frequency	3.36 GHz

Storage

RAM capacity *	12 GB
Internal storage capacity *	512 GB

Camera

Rear camera sensor size	1/1.56"
Second rear camera sensor size	1/3.21"
Third rear camera sensor size	1/3.94"
Rear camera resolution (numeric) *	50 MP
Second rear camera resolution (numeric)	12 MP
Third rear camera resolution (numeric)	10 MP
Rear camera resolution	6120 x 8160 pixels
Rear camera aperture number	1.8
Second rear camera aperture number	2.2

Camera

Image stabilizer	✓
Image stabilizer type	Optical Image Stabilization (OIS)
Night mode	✓
Panorama	✓
Portrait mode	✓

Network

SIM card capability *	Dual SIM
Mobile network generation *	5G
SIM card type *	NanoSIM + eSIM
3G standards *	UMTS, WCDMA
4G standard *	LTE-TDD & LTE-FDD
5G standard *	Sub6 FDD, Sub6 TDD
Wi-Fi *	✓
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)
Bluetooth *	✓
Bluetooth version	5.3
3G bands supported	850,900,1900,2100 MHz
4G bands supported	700,800,850,900,1500,1800,1900,2100,2300,2500,2600 MHz
5G bands supported	700,800,850,900,1800,1900,2100,2300,2500,2600,3500,3700 MHz
Wi-Fi Direct	✓
MIMO	✓
Modulation	1024-QAM
Near Field Communication (NFC)	✓

Ports & interfaces

USB port *	✓
USB connector type	USB Type-C
USB version	3.2 Gen 1 (3.1 Gen 1)
Headphone connectivity	USB Type-C

Design

Form factor *	Clamshell
Product colour *	Cream
International Protection (IP) code	IPX8
Protection features	Water resistant
Housing material	Aluminium

Performance

Fast charging	✓
Wireless charging	✓
Fingerprint reader	✓
Face recognition	✓
USB On-The-Go support	✓

Navigation

GPS (satellite)	✓

Camera

Third rear camera aperture number	2.4
Rear camera pixel size	1 μm
Second rear camera pixel size	1.12 μm
Third rear camera pixel size	1 μm
Rear camera field of view (FOV) angle	85°
Second rear camera field of view (FOV) angle	123°
Third rear camera field of view (FOV) angle	36°
Optical zoom	3x
Digital zoom	30x
Front camera type *	Dual camera
Front camera sensor size	1/3.24"
Front camera resolution (numeric) *	10 MP
Second front camera resolution (numeric)	4 MP
Front camera aperture number	2.2
Second front camera aperture number	1.8
Front camera pixel size	1.22 μm
Second front camera pixel size	2 μm
Front camera field of view (FOV) angle	85°
Second front camera field of view (FOV) angle	80°
Rear camera flash *	✔
Flash type	LED
Video capture resolution (max)	4320 x 7680 pixels
Maximum frame rate	960 fps
Resolution at capture speed	1280x720@30fps, 1920x1080@30fps, 1920x1080@60fps, 3840x2160@30fps, 3840x2160@60fps, 7680x4320@30fps
Rear camera type *	Triple camera
Auto focus	✔
Time lapse mode	✔

Navigation

GLONASS	✔
BeiDou	✔
Galileo	✔
Quasi-Zenith Satellite System (QZSS)	✔
Position location *	✔

Multimedia

Equalizer	✔
Audio system	Dolby Atmos
Audio formats supported	3GA, AAC, AMR, APE, AWB, DFF, DSF, FLAC, IMY, M4A, Mid, MIDI, MP3, MXMF, OGA, OGG, OTA, RTTTL, RTX, WAV, XMF
Video formats supported	3G2, 3GP, AVI, FLV, M4V, MKV, MP4, WEBM

Software

Platform *	Android
Operating system installed *	Android 13

Battery

Battery capacity *	4400 mAh
Talk time (4G)	40 h
Browsing time (Wi-Fi)	18 h
Browsing time (4G)	17 h
Continuous audio playback time	73 h
Continuous video playback time	21 h

Sensors

Proximity sensor	✔
Accelerometer	✔
Ambient light sensor	✔
Gyroscope	✔
Barometer	✔
Geomagnetic sensor	✔
Hall sensor	✔

Weight & dimensions

Width	129.9 mm
Depth	6.1 mm
Height	154.9 mm
Weight *	253 g
Folded width	6.71 cm
Folded depth	1.34 cm
Folded height	15.5 cm

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