

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 Black

Brand : Samsung Product family: Galaxy Product code: SM-F946BZKCEUB

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: 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: Black. Weight: 253 g

Display		Camera	
Display diagonal *	19.3 cm (7.6")	Time lapse mode	✓
Screen shape	Flat	Image stabilizer	✓
Display technology marketing name	Dynamic AMOLED 2X	Image stabilizer type	Optical Image Stabilization (OIS)
Panel type	OLED	Night mode	✓
Display glass type	Gorilla Glass	Panorama	✓
Gorilla Glass version	Gorilla Glass Victus 2	Portrait mode	✓
Display resolution *	2176 x 1812 pixels	Network	
Display number of colours	16 million colours	SIM card capability *	Dual SIM
Maximum refresh rate	120 Hz	Mobile network generation *	5G
Display brightness	1200 cd/m²	SIM card type *	NanoSIM + eSIM
Maximum display brightness (Outdoor)	1750 cd/m²	3G standards *	UMTS, WCDMA
Pixel density	374 ppi	4G standard *	LTE-TDD & LTE-FDD
Brand specific technologies	Always-on display	5G standard *	Sub6 FDD, Sub6 TDD
Rounded display corners	✓	Wi-Fi	✓
Second display	✓	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)
Second display diagonal	15.8 cm (6.2")	Bluetooth *	✓
Second display resolution	2316 x 904 pixels	Bluetooth version	5.3
Second display brightness	1000 cd/m²	3G bands supported	850,900,1900,2100 MHz
Second display type	Dynamic AMOLED 2X	4G bands supported	700,800,850,900,1500,1800,1900,2100,2300,2500,2600 MHz
Second display refresh rate	120 Hz	5G bands supported	700,800,850,900,1800,1900,2100,2300,2500,2600,3500,3700 MHz
Processor		Wi-Fi Direct	✓
Processor family *	Snapdragon	MIMO	✓
Processor model *	8 Gen 2	Modulation	1024-QAM
Processor cores	8	Near Field Communication (NFC)	✓
Processor boost frequency	3.36 GHz	Ports & interfaces	
Storage		USB port	✓
RAM capacity *	12 GB	USB connector type	USB Type-C
Internal storage capacity *	512 GB	USB version	3.2 Gen 1 (3.1 Gen 1)
Camera		Headphone connectivity	USB Type-C
Rear camera sensor size	1/1.56"	Navigation	
Second rear camera sensor size	1/3.21"	GPS (satellite)	✓
Third rear camera sensor size	1/3.94"	GLONASS	✓
Rear camera resolution (numeric) *	50 MP	BeiDou	✓
Second rear camera resolution (numeric)	12 MP	Galileo	✓
Third rear camera resolution (numeric)	10 MP	Quasi-Zenith Satellite System (QZSS)	✓
Rear camera resolution	6120 x 8160 pixels	Position location *	✓
		Design	
		Form factor *	Clamshell

Camera		Design	
Rear camera aperture number	1.8	Product colour *	Black
Second rear camera aperture number	2.2	Colour name	Phantom Black
Third rear camera aperture number	2.4	Protection features	Water resistant
Rear camera pixel size	1 µm	Housing material	Aluminium
Second rear camera pixel size	1.12 µm	Performance	
Third rear camera pixel size	1 µm	Fast charging	✓
Rear camera field of view (FOV) angle	85°	Wireless charging	✓
Second rear camera field of view (FOV) angle	123°	Fingerprint reader	✓
Third rear camera field of view (FOV) angle	36°	Face recognition	✓
Optical zoom	3x	USB On-The-Go support	✓
Digital zoom	30x	Multimedia	
Front camera type *	Dual camera	Speakers	stereo
Front camera sensor size	1/3.24"	Equalizer	✓
Front camera resolution (numeric) *	10 MP	Audio system	Dolby Atmos
Second front camera resolution (numeric)	4 MP	Audio formats supported	3GA, AAC, AMR, APE, AWB, DFF, DSF, FLAC, IMY, M4A, Mid, MIDI, MP3, MXMF, OGA, OGG, OTA, RTTTL, RTX, WAV, XMF
Front camera aperture number	2.2	Video formats supported	3G2, 3GP, AVI, FLV, M4V, MKV, MP4, WEBM
Second front camera aperture number	1.8	Software	
Front camera pixel size	1.22 µm	Platform *	Android
Second front camera pixel size	2 µm	Operating system installed *	Android 13
Front camera field of view (FOV) angle	85°	Battery	
Second front camera field of view (FOV) angle	80°	Battery capacity *	4400 mAh
Rear camera flash *	✓	Talk time (4G)	40 h
Flash type	LED	Browsing time (Wi-Fi)	18 h
Video capture resolution (max)	4320 x 7680 pixels	Browsing time (4G)	17 h
Maximum frame rate	960 fps	Wireless audio playback time	73 h
Resolution at capture speed	1280x720@30fps,	Wireless video playback time	21 h
	1920x1080@30fps,	Sensors	
	1920x1080@60fps,	Proximity sensor	✓
	3840x2160@30fps,	Accelerometer	✓
Video recording modes	3840x2160@60fps,	Ambient light sensor	✓
	7680x4320@30fps	Gyroscope	✓
		Barometer	✓
		Geomagnetic sensor	✓
Rear camera type *	Triple camera	Hall sensor	✓
Auto focus	✓	Endurance	
		International Protection (IP) code *	IPX8
		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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Catalog Object Cloud



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