



Samsung Galaxy Z Fold5 SM-F946B 19.3 cm (7.6") Dual SIM Android 13 5G USB Type-C 12 GB 256 GB 4400 mAh Cream

Brand : Samsung **Product family:** Galaxy **Product code:** SM-F946BZEUB

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: 256 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		Camera	
Display diagonal *	19.3 cm (7.6")	Auto focus	✓
Screen shape	Flat	Time lapse mode	✓
Display technology marketing name	Dynamic AMOLED 2X	Image stabilizer	✓
Panel type	OLED	Image stabilizer type	Optical Image Stabilization (OIS)
Display glass type	Gorilla Glass	Night mode	✓
Gorilla Glass version	Gorilla Glass Victus 2	Panorama	✓
Display resolution *	2176 x 1812 pixels	Portrait mode	✓
Display number of colours	16 million colours	Network	
Maximum refresh rate	120 Hz	SIM card capability *	Dual SIM
Display brightness	1200 cd/m²	Mobile network generation *	5G
Maximum display brightness (Outdoor)	1750 cd/m²	SIM card type *	NanoSIM + eSIM
Pixel density	374 ppi	3G standards *	UMTS, WCDMA
Brand specific technologies	Always-on display	4G standard *	LTE-TDD & LTE-FDD
Rounded display corners	✓	5G standard *	Sub6 FDD, Sub6 TDD
Second display	✓	Wi-Fi	✓
Second display diagonal	15.8 cm (6.2")	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 resolution	2316 x 904 pixels	Bluetooth *	✓
Second display brightness	1000 cd/m²	Bluetooth version	5.3
Second display type	Dynamic AMOLED 2X	3G bands supported	850,900,1900,2100 MHz
Second display glass type	Gorilla Glass	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 *	Qualcomm 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 *	✓
User memory	216.1 GB	USB connector type	USB Type-C
RAM capacity *	12 GB	USB version	3.2 Gen 1 (3.1 Gen 1)
Internal storage capacity *	256 GB	Headphone connectivity	USB Type-C
Camera		Design	
Rear camera sensor size	1/1.56"	Form factor *	Clamshell
Second rear camera sensor size	1/3.21"	Product colour *	Cream
Third rear camera sensor size	1/3.94"	International Protection (IP) code	IPX8
Rear camera resolution (numeric) *	50 MP	Protection features	Water resistant
		Housing material	Aluminium
		Performance	
		Fast charging	✓
		Wireless charging	✓

Camera		Performance	
Second rear camera resolution (numeric)	12 MP	Fingerprint reader	✓
Third rear camera resolution (numeric)	10 MP	Face recognition	✓
Rear camera resolution	6120 x 8160 pixels	USB On-The-Go support	✓
Rear camera aperture number	1.8	Navigation	
Second rear camera aperture number	2.2	GPS (satellite)	✓
Third rear camera aperture number	2.4	GLONASS	✓
Rear camera pixel size	1 µm	BeiDou	✓
Second rear camera pixel size	1.12 µm	Galileo	✓
Third rear camera pixel size	1 µm	Quasi-Zenith Satellite System (QZSS)	✓
Rear camera field of view (FOV) angle	85°	Position location *	✓
Second rear camera field of view (FOV) angle	123°	Multimedia	
Third rear camera field of view (FOV) angle	36°	Speakers	stereo
Optical zoom	3x	Equalizer	✓
Digital zoom	30x	Audio system	Dolby Atmos
Front camera type *	Dual camera	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 sensor size	1/3.24"		
Front camera resolution (numeric) *	10 MP	Video formats supported	3G2, 3GP, AVI, FLV, M4V, MKV, MP4, WEBM
Second front camera resolution (numeric)	4 MP		
Front camera aperture number	2.2	Software	
Second front camera aperture number	1.8	Platform *	Android
Front camera pixel size	1.22 µm	Operating system installed *	Android 13
Second front camera pixel size	2 µm	Battery	
Front camera field of view (FOV) angle	85°	Battery capacity *	4400 mAh
Second front camera field of view (FOV) angle	80°	Talk time (4G)	40 h
Rear camera flash *	✓	Browsing time (Wi-Fi)	18 h
Flash type	LED	Browsing time (4G)	17 h
Video capture resolution (max)	4320 x 7680 pixels	Wireless audio playback time	73 h
Maximum frame rate	960 fps	Wireless video playback time	21 h
Resolution at capture speed	1280x720@30fps,	Sensors	
	1920x1080@30fps,	Proximity sensor	✓
	1920x1080@60fps,	Accelerometer	✓
	3840x2160@30fps,	Ambient light sensor	✓
	3840x2160@60fps,	Gyroscope	✓
Video recording modes	7680x4320@30fps	Barometer	✓
		Geomagnetic sensor	✓
		Hall sensor	✓
Rear camera type *	Triple camera	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
		Other features	
		Repairability index	8



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Publication date: 31-OCT-2024. Prints or copies of Information are only valid on the printed Publication date