



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: 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: Black. 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		
Maximum refresh rate	120 Hz	Network	
Display brightness	1200 cd/m ²	SIM card capability *	Dual SIM
Maximum display brightness (Outdoor)	1750 cd/m ²	Mobile network generation *	5G
Pixel density	374 ppi	SIM card type *	NanoSIM + eSIM
Brand specific technologies	Always-on display	3G standards *	UMTS, WCDMA
Rounded display corners	✓	4G standard *	LTE-TDD & LTE-FDD
Second display	✓	5G standard *	Sub6 FDD, Sub6 TDD
Second display diagonal	15.8 cm (6.2")	Wi-Fi	✓
Second display resolution	2316 x 904 pixels	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 brightness	1000 cd/m ²	Bluetooth *	✓
Second display type	Dynamic AMOLED 2X	Bluetooth version	5.3
Second display refresh rate	120 Hz	3G bands supported	850,900,1900,2100 MHz
Processor		4G bands supported	700,800,850,900,1500,1800,1900,2100,2300,2500,2600 MHz
Processor family *	Qualcomm Snapdragon	5G bands supported	700,800,850,900,1800,1900,2100,2300,2500,2600,3500,3700 MHz
Processor model *	8 Gen 2	Wi-Fi Direct	✓
Processor cores	8	MIMO	✓
Processor boost frequency	3.36 GHz	Modulation	1024-QAM
Storage		Near Field Communication (NFC)	✓
RAM capacity *	12 GB	Ports & interfaces	
Internal storage capacity *	512 GB	USB port *	✓
Camera		USB connector type	USB Type-C
Rear camera sensor size	1/1.56"	USB version	3.2 Gen 1 (3.1 Gen 1)
Second rear camera sensor size	1/3.21"	Headphone connectivity	USB Type-C
Third rear camera sensor size	1/3.94"	Design	
Rear camera resolution (numeric) *	50 MP	Form factor *	Clamshell
Second rear camera resolution (numeric)	12 MP	Product colour *	Black
Third rear camera resolution (numeric)	10 MP	Colour name	Phantom Black
Rear camera resolution	6120 x 8160 pixels	International Protection (IP) code	IPX8
Rear camera aperture number	1.8	Protection features	Water resistant
		Housing material	Aluminium
		Performance	
		Fast charging	✓
		Wireless charging	✓
		Fingerprint reader	✓
		Face recognition	✓

Camera		Performance	
Second rear camera aperture number	2.2	USB On-The-Go support	✓
Third rear camera aperture number	2.4	Navigation	
Rear camera pixel size	1 µm	GPS (satellite)	✓
Second rear camera pixel size	1.12 µm	GLONASS	✓
Third rear camera pixel size	1 µm	BeiDou	✓
Rear camera field of view (FOV) angle	85°	Galileo	✓
Second rear camera field of view (FOV) angle	123°	Quasi-Zenith Satellite System (QZSS)	✓
Third rear camera field of view (FOV) angle	36°	Position location *	✓
Optical zoom	3x	Multimedia	
Digital zoom	30x	Speakers	stereo
Front camera type *	Dual camera	Equalizer	✓
Front camera sensor size	1/3.24"	Audio system	Dolby Atmos
Front camera resolution (numeric) *	10 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
Second front camera resolution (numeric)	4 MP	Video formats supported	3G2, 3GP, AVI, FLV, M4V, MKV, MP4, WEBM
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, 1920x1080@30fps, 1920x1080@60fps, 3840x2160@30fps, 3840x2160@60fps, 7680x4320@30fps	Sensors	
Video recording modes	720p, 1080p, 2160p, 4320p	Proximity sensor	✓
Rear camera type *	Triple camera	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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