

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-F946BZKCEUE

Product name : SM-F946B

Samsung Galaxy Z Fold5 SM-F946B. Display diagonal: 19.3 cm (7.6"), Display resolution: 2176 x 1812 pixels, Display type: Dynamic AMOLED 2X. 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")	Time lapse mode	✓
Screen shape	Flat	Image stabilizer	✓
Display type	Dynamic AMOLED 2X	Image stabilizer type	Optical Image Stabilization (OIS)
Display glass type	Gorilla Glass	Night mode	✓
Display resolution *	2176 x 1812 pixels	Panorama	✓
Display number of colours	16 million colours	Portrait mode	✓
Maximum refresh rate	120 Hz		
Display brightness	1200 cd/m ²	Network	
Maximum display brightness (Outdoor)	1750 cd/m ²	SIM card capability *	Dual SIM
Pixel density	374 ppi	Mobile network generation *	5G
Brand specific technologies	Always-on display	SIM card type *	NanoSIM + eSIM
Second display	✓	3G standards *	UMTS, WCDMA
Second display diagonal	15.8 cm (6.2")	4G standard *	LTE-TDD & LTE-FDD
Second display resolution	2316 x 904 pixels	5G standard *	Sub6 FDD, Sub6 TDD
Second display brightness	1000 cd/m ²	Wi-Fi *	✓
Second display refresh rate	120 Hz	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)
Processor		Bluetooth *	✓
Processor family *	Qualcomm Snapdragon	Bluetooth version	5.3
Processor model *	8 Gen 2	3G bands supported	850,900,1900,2100 MHz
Processor cores	8	4G bands supported	700,800,850,900,1500,1800,1900,2100,2300,2500,2600 MHz
Processor boost frequency	3.36 GHz	5G bands supported	700,800,850,900,1800,1900,2100,2300,2500,2600,3500,3700 MHz
Storage		Wi-Fi Direct	✓
RAM capacity *	12 GB	MIMO	✓
Internal storage capacity *	512 GB	Modulation	1024-QAM
Camera		Near Field Communication (NFC)	✓
Rear camera sensor size	1/1.56"	Ports & interfaces	
Second rear camera sensor size	1/3.21"	USB port *	✓
Third rear camera sensor size	1/3.94"	USB connector type	USB Type-C
Rear camera resolution (numeric) *	50 MP	USB version	3.2 Gen 1 (3.1 Gen 1)
Second rear camera resolution (numeric)	12 MP	Headphone connectivity	USB Type-C
Third rear camera resolution (numeric)	10 MP	Design	
Rear camera resolution	6120 x 8160 pixels	Form factor *	Clamshell
Rear camera aperture number	1.8	Product colour *	Black
Second rear camera aperture number	2.2	Colour name	Phantom Black
Rear camera pixel size	1 µm	International Protection (IP) code	IPX8
Second rear camera pixel size	1.12 µm	Housing material	Aluminium
Third rear camera pixel size	1 µm	Performance	
Rear camera field of view (FOV) angle	85°	Fast charging	✓
		Wireless charging	✓
		Fingerprint reader	✓
		Face recognition	✓
		USB On-The-Go support	✓
		Navigation	
		GPS (satellite)	✓
		GLONASS	✓
		BeiDou	✓

Camera		Navigation	
Second rear camera field of view (FOV) angle	123°	Galileo	✓
Third rear camera field of view (FOV) angle	36°	Quasi-Zenith Satellite System (QZSS)	✓
Optical zoom	3x	Position location *	✓
Digital zoom	30x	Multimedia	
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)	10 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°	Sensors	
Rear camera flash *	✓	Proximity sensor	✓
Flash type	LED	Accelerometer	✓
Video capture resolution (max)	4320 x 7680 pixels	Ambient light sensor	✓
Maximum frame rate	960 fps	Gyroscope	✓
Resolution at capture speed	1280x720@30fps,	Barometer	✓
	1920x1080@30fps,	Geomagnetic sensor	✓
	1920x1080@60fps,	Hall sensor	✓
	3840x2160@30fps,	Weight & dimensions	
3840x2160@60fps,	Width	129.9 mm	
7680x4320@30fps	Depth	6.1 mm	
Rear camera type *	Triple camera	Height	154.9 mm
Auto focus	✓	Weight *	253 g
		Folded width	6.71 cm
		Folded depth	1.34 cm
		Folded height	15.5 cm



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