

Samsung Galaxy Z Fold5 SM-F946B 19.3 cm (7.6") Dual SIM Android 13 5G USB Type-C 12 GB 1 TB 4400 mAh Black



Brand : Samsung

Product family: Galaxy

Product code: SM-F946BZKNEUE

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: 1 TB. 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	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
Second display	✓	4G standard *	LTE-TDD & LTE-FDD
Second display diagonal	15.8 cm (6.2")	5G standard *	Sub6 FDD, Sub6 TDD
Second display resolution	2316 x 904 pixels	Wi-Fi *	✓
Second display brightness	1000 cd/m 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 refresh rate	120 Hz	Bluetooth *	✓
Processor		Bluetooth version	5.3
Processor family *	Qualcomm Snapdragon	3G bands supported	850,900,1900,2100 MHz
Processor model *	8 Gen 2	4G bands supported	700,800,850,900,1500,1800,1900,2100,2300,2500,2600 MHz
Processor cores	8	5G bands supported	700,800,850,900,1800,1900,2100,2300,2500,2600,3500,3700 MHz
Processor boost frequency	3.36 GHz	Wi-Fi Direct	✓
Storage		MIMO	✓
RAM capacity *	12 GB	Modulation	1024-QAM
Internal storage capacity *	1 TB	Near Field Communication (NFC)	✓
Camera		Ports & interfaces	
Rear camera sensor size	1/1.56"	USB port *	✓
Second rear camera sensor size	1/3.21"	USB connector type	USB Type-C
Third rear camera sensor size	1/3.94"	USB version	3.2 Gen 1 (3.1 Gen 1)
Rear camera resolution (numeric) *	50 MP	Headphone connectivity	USB Type-C
Second rear camera resolution (numeric)	12 MP	Design	
Third rear camera resolution (numeric)	10 MP	Form factor *	Clamshell
Rear camera resolution	6120 x 8160 pixels	Product colour *	Black
Rear camera aperture number	1.8	Colour name	Phantom Black
Second rear camera aperture number	2.2	International Protection (IP) code	IPX8
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	✓
Navigation		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		
Front camera aperture number	2.2	Video formats supported	3G2, 3GP, AVI, FLV, M4V, MKV, MP4, WEBM
Second front camera aperture number	1.8		
Front camera pixel size	1.22 µm	Software	
Second front camera pixel size	2 µm	Platform *	Android
Front camera field of view (FOV) angle	85°	Operating system installed *	Android 13
Second front camera field of view (FOV) angle	80°	Battery	
Rear camera flash *	✓	Battery capacity *	4400 mAh
Flash type	LED	Sensors	
Video capture resolution (max)	4320 x 7680 pixels	Proximity sensor	✓
Maximum frame rate	960 fps	Accelerometer	✓
Resolution at capture speed	1280x720@30fps,	Ambient light sensor	✓
	1920x1080@30fps,	Gyroscope	✓
	1920x1080@60fps,	Barometer	✓
	3840x2160@30fps,	Geomagnetic sensor	✓
	3840x2160@60fps,	Hall sensor	✓
	7680x4320@30fps	Weight & dimensions	
Rear camera type *	Triple camera	Width	129.9 mm
Auto focus	✓	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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