

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
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/m²	Bluetooth *	✓
Second display type	Dynamic AMOLED 2X	Bluetooth version	5.3
Second display glass type	Gorilla Glass	3G bands supported	850,900,1900,2100 MHz
Second display refresh rate	120 Hz	4G bands supported	700,800,850,900,1500,1800,1900,2100,2300,2500,2600 MHz
Processor		5G bands supported	700,800,850,900,1800,1900,2100,2300,2500,2600,3500,3700 MHz
Processor family *	Qualcomm Snapdragon	Wi-Fi Direct	✓
Processor model *	8 Gen 2	MIMO	✓
Processor cores	8	Modulation	1024-QAM
Processor boost frequency	3.36 GHz	Near Field Communication (NFC)	✓
Storage		Ports & interfaces	
User memory	216.1 GB	USB port *	✓
RAM capacity *	12 GB	USB connector type	USB Type-C
Internal storage capacity *	256 GB	USB version	3.2 Gen 1 (3.1 Gen 1)
Camera		Headphone connectivity	USB Type-C
Rear camera sensor size	1/1.56"	Design	
Second rear camera sensor size	1/3.21"	Form factor *	Clamshell
Third rear camera sensor size	1/3.94"	Product colour *	Cream
Rear camera resolution (numeric) *	50 MP	International Protection (IP) code	IPX8
Second rear camera resolution (numeric)	12 MP	Protection features	Water resistant
Third rear camera resolution (numeric)	10 MP	Housing material	Aluminium
		Performance	
		Fast charging	✓
		Wireless charging	✓
		Fingerprint reader	✓
		Face recognition	✓
		USB On-The-Go support	✓

Camera		Navigation	
Rear camera resolution	6120 x 8160 pixels	GPS (satellite)	✓
Rear camera aperture number	1.8	GLONASS	✓
Second rear camera aperture number	2.2	BeiDou	✓
Third rear camera aperture number	2.4	Galileo	✓
Rear camera pixel size	1 µm	Quasi-Zenith Satellite System (QZSS)	✓
Second rear camera pixel size	1.12 µm	Position location *	✓
Third rear camera pixel size	1 µm		
Rear camera field of view (FOV) angle	85°	<b>Multimedia</b>	
Second rear camera field of view (FOV) angle	123°	Equalizer	✓
Third rear camera field of view (FOV) angle	36°	Audio system	Dolby Atmos
Optical zoom	3x	Audio formats supported	3GA, AAC, AMR, APE, AWB, DFF, DSF, FLAC, IMY, M4A, Mid, MIDI, MP3, MXMF, OGA, OGG, OTA, RTTTL, RTX, WAV, XMF
Digital zoom	30x	Video formats supported	3G2, 3GP, AVI, FLV, M4V, MKV, MP4, WEBM
Front camera type *	Dual camera	<b>Software</b>	
Front camera sensor size	1/3.24"	Platform *	Android
Front camera resolution (numeric) *	10 MP	Operating system installed *	Android 13
Second front camera resolution (numeric)	4 MP	<b>Battery</b>	
Front camera aperture number	2.2	Battery capacity *	4400 mAh
Second front camera aperture number	1.8	Talk time (4G)	40 h
Front camera pixel size	1.22 µm	Browsing time (Wi-Fi)	18 h
Second front camera pixel size	2 µm	Browsing time (4G)	17 h
Front camera field of view (FOV) angle	85°	Wireless audio playback time	73 h
Second front camera field of view (FOV) angle	80°	Wireless video playback time	21 h
Rear camera flash *	✓	<b>Sensors</b>	
Flash type	LED	Proximity sensor	✓
Video capture resolution (max)	4320 x 7680 pixels	Accelerometer	✓
Maximum frame rate	960 fps	Ambient light sensor	✓
Resolution at capture speed	1280x720@30fps,	Gyroscope	✓
	1920x1080@30fps,	Barometer	✓
	1920x1080@60fps,	Geomagnetic sensor	✓
	3840x2160@30fps,	Hall sensor	✓
Rear camera type *	3840x2160@60fps,	<b>Weight &amp; dimensions</b>	
	7680x4320@30fps	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
		<b>Technical details</b>	
		Repairability index	8



8806095019130

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 16-SEP-2024. Prints or copies of Information are only valid on the printed Publication date