

Samsung Galaxy Z Fold8 19.3 cm (7.6") Dual SIM 5G USB Type-C
12 GB 512 GB 4800 mAh Cream

Brand : Samsung Product family: Galaxy Product code: SM-F971BZWCEUB

Product name : Galaxy Z Fold8



- Viewing Experience
 - Customised Processor
 - Galaxy AI Security
- Galaxy Z Fold8

Samsung Galaxy Z Fold8 . Display diagonal: 19.3 cm (7.6"), Display resolution: 1848 x 2448 pixels. Processor frequency: 3.6 GHz, Processor family: Snapdragon, Processor model: 8 Elite Gen 5. RAM capacity: 12 GB, Internal storage capacity: 512 GB. Rear camera resolution (numeric): 50 MP, Rear camera type: Dual camera. SIM card capability: Dual SIM. Battery capacity: 4800 mAh. Product colour: Cream. Weight: 201 g

Display		Network	
Display diagonal *	19.3 cm (7.6")	Bluetooth *	✓
Screen shape	Flat	Bluetooth version	6.0
Display technology marketing name	Dynamic AMOLED 2X	2G bands (primary SIM)	850,1900,1800,900 MHz
Display glass type	Gorilla Glass	3G bands supported	2100,900,1900,850,1700 MHz
Gorilla Glass version	Gorilla Glass Victus 2	4G bands supported	2100,700,800,1900,850,1800,1500,2300,2600,900,1700,2500 MHz
Display resolution *	1848 x 2448 pixels	5G bands supported	2100,700,1900,800,850,1800,2600,900,1700,2300,2500,3700,3500,1500 MHz
Display number of colours	16 million colours	Wi-Fi Direct	✓
Maximum refresh rate	120 Hz	MIMO	✓
Display brightness	1500 cd/m²	Modulation	4096-QAM
Maximum display brightness (Outdoor)	3000 cd/m²	Near Field Communication (NFC)	✓
Pixel density	403 ppi	Ports & interfaces	
Second display	✓	USB connector type	USB Type-C
Second display diagonal	14 cm (5.5")	USB version	3.2 Gen 1 (3.1 Gen 1)
Second display resolution	1972 x 1248 pixels	Headphone connectivity	USB Type-C
Second display type	Dynamic AMOLED 2X	Mobile High-Definition Link (MHL)	✗
Second display pixel density	428 ppi	Navigation	
Second display glass type	Gorilla Glass	GPS (satellite)	✓
Second display refresh rate	120 Hz	GLONASS	✓
Second display Gorilla Glass version	Gorilla Glass Ceramic 3	BeiDou	✓
Processor		Galileo	✓
Processor family *	Snapdragon	Quasi-Zenith Satellite System (QZSS)	✓
Processor model *	8 Elite Gen 5	Position location *	✓
Processor cores	8	Design	
Processor frequency *	3.6 GHz	Form factor *	Fold
Processor boost frequency	4.74 GHz	Product colour *	Cream
Storage		Performance	
User memory	473.6 GB	Wireless charging	✓
RAM capacity *	12 GB	Fingerprint reader	✓
Internal storage capacity *	512 GB	Hearing aid compatibility	✓
Compatible memory cards *	Not supported	Multimedia	
Camera		Speakers	stereo
Rear camera sensor size	1/1.56"	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 rear camera sensor size	1/2.52"		
Rear camera resolution (numeric) *	50 MP	Video formats supported	3G2, 3GP, AVI, FLV, M4V, MKV, MP4, WEBM
Second rear camera resolution (numeric)	50 MP		
Third rear camera resolution (numeric)	50 MP	Software	
		Platform *	Android

Camera		Battery	
Fourth rear camera resolution (numeric)	50 MP	Removable battery	✗
Rear camera aperture number	1.8	Battery endurance in cycles *	1200
Second rear camera aperture number	1.9	Battery capacity *	4800 mAh
Rear camera pixel size	1 µm	Wireless video playback time	26 h
Second rear camera pixel size	0.7 µm	Sensors	
Rear camera field of view (FOV) angle	85°	Proximity sensor	✓
Second rear camera field of view (FOV) angle	120°	Accelerometer	✓
Optical zoom	2x	Ambient light sensor	✓
Digital zoom	10x	Gyroscope	✓
Front camera type *	Single camera	Barometer	✓
Front camera sensor size	1/3.33"	Geomagnetic sensor	✓
Front camera resolution (numeric) *	10 MP	Hall sensor	✓
Front camera aperture number	2.2	Power	
Front camera pixel size	1.12 µm	USB Type-C charging port *	✓
Front camera field of view (FOV) angle	100°	USB Type-C required charging power (min) *	10 W
Cover camera resolution (numeric)	10 MP	USB Type-C required charging power (max) *	45 W
Cover camera aperture number	2.2	Endurance	
Rear camera flash *	✓	Energy efficiency class *	A
Flash type	LED	Energy efficiency scale	A to G
Video capture resolution (max)	7680 x 4320 pixels	Battery endurance per cycle *	2950 min
Maximum frame rate	30 fps	Repeated free fall reliability class *	A
Rear camera type *	Dual camera	Repairability class *	C
Auto focus	✓	International Protection (IP) code *	IP48
Image stabilizer	✓	Weight & dimensions	
Image stabilizer type	Optical Image Stabilization (OIS)	Width	161.4 mm
Night mode	✓	Depth	4.5 mm
Panorama	✓	Height	123.9 mm
Slow motion mode	✓	Weight *	201 g
Slow motion rate	240fps @FHD, 120fps @FHD, 120fps @UHD	Folded width	8.19 cm
Network		Folded depth	9.7 mm
SIM card capability *	Dual SIM	Folded height	12.4 cm
Mobile network generation *	5G	Packaging content	
SIM card type *	NanoSIM + eSIM	AC adapter included *	✗
2G standards	GSM	Specific absorption rate (SAR)	
3G standards *	WCDMA	Head SAR (EU)	0.823 W/kg
4G standard *	LTE-TDD & LTE-FDD	Body SAR (EU)	1.211 W/kg
5G standard *	Sub6 SDL, Sub6 TDD	Extremities SAR (EU)	2.26 W/kg
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)	Other features	
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)	Compatibility	Galaxy Ring, Galaxy Buds Core, Galaxy Buds4 Pro, Galaxy Buds3 Pro, Galaxy Buds2 Pro, Galaxy Buds Pro, Galaxy Buds Live, Galaxy Buds+, Galaxy Buds4, Galaxy Buds3, Galaxy Buds2, Galaxy Buds, Galaxy Buds3 FE, Galaxy Buds FE, Galaxy Fit3, Galaxy Fit2, Galaxy Watch FE, Galaxy Watch Ultra2, Galaxy Watch Ultra, Galaxy Watch9, Galaxy Watch8, Galaxy Watch7, Galaxy Watch6, Galaxy Watch5, Galaxy Watch4, Galaxy Watch3, Galaxy Watch, Galaxy Watch Active2, Galaxy Watch Active
		Technical details	
		Security update term	31 July 2033



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