

Samsung Galaxy Z Fold8 SM-F971BZGCEUE smartphone 19.3 cm (7.6") Dual SIM 5G USB Type-C 16 GB 512 GB 4800 mAh Mint colour

Brand : Samsung Product family: Galaxy Product code: SM-F971BZGCEUE

Product name : SM-F971BZGCEUE



Samsung Galaxy Z Fold8 SM-F971BZGCEUE. Display diagonal: 19.3 cm (7.6"), Display resolution: 1848 x 2448 pixels. Processor family: Snapdragon, Processor model: 8 Elite Gen 5. RAM capacity: 16 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: Mint colour. Weight: 201 g

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

Camera		Multimedia		
Second rear camera resolution (numeric)	50 MP	Audio formats supported	MP3, M4A, 3GA, AAC, OGG, OGA, WAV, AMR, AWB, FLAC, Mid, MIDI, XMF, MXMF, IMY, RTTTL, RTX, OTA, DFF, DSF, APE	
Third rear camera resolution (numeric)	50 MP		Video formats supported	MP4, M4V, 3GP, 3G2, AVI, FLV, MKV, WEBM
Fourth rear camera resolution (numeric)	50 MP			
Rear camera aperture number	1.8	Software		
Second rear camera aperture number	1.9	Platform *	Android	
Rear camera pixel size	1 μm	Battery		
Second rear camera pixel size	0.7 μm	Removable battery	✗	
Rear camera field of view (FOV) angle	85°	Battery endurance in cycles *	1200	
Second rear camera field of view (FOV) angle	120°	Battery capacity *	4800 mAh	
Optical zoom	2x	Wireless video playback time	26 h	
Digital zoom	10x	Sensors		
Front camera type *	Single camera	Proximity sensor	✓	
Front camera sensor size	1/3.33"	Accelerometer	✓	
Front camera resolution (numeric) *	10 MP	Ambient light sensor	✓	
Front camera aperture number	2.2	Gyroscope	✓	
Front camera pixel size	1.12 μm	Barometer	✓	
Front camera field of view (FOV) angle	100°	Geomagnetic sensor	✓	
Cover camera resolution (numeric)	10 MP	Hall sensor	✓	
Cover camera aperture number	2.2	Power		
Rear camera flash *	✓	USB Type-C charging port *	✓	
Flash type	LED	USB Type-C required charging power (min) *	10 W	
Video capture resolution (max)	7680 x 4320 pixels	USB Type-C required charging power (max) *	45 W	
Maximum frame rate	240 fps	Endurance		
Rear camera type *	Dual camera	Energy efficiency class *	A	
Auto focus	✓	Energy efficiency scale	A to G	
Image stabilizer	✓	Battery endurance per cycle *	2950 min	
Image stabilizer type	Optical Image Stabilization (OIS)	Repeated free fall reliability class *	A	
Night mode	✓	Repairability class *	C	
Panorama	✓	International Protection (IP) code *	IP48	
Slow motion mode	✓	Weight & dimensions		
Slow motion rate	240fps in FHD, 120fps in FHD, 120fps in UHD	Width	161.4 mm	
Network		Depth	4.5 mm	
SIM card capability *	Dual SIM	Height	123.9 mm	
Mobile network generation *	5G	Weight *	201 g	
SIM card type *	NanoSIM + eSIM	Folded width	8.19 cm	
2G standards	GSM	Folded depth	9.7 mm	
3G standards *	WCDMA, UMTS	Folded height	12.4 cm	
4G standard *	LTE-TDD & LTE-FDD	Packaging content		
5G standard *	Sub6 TDD, Sub6 FDD	AC adapter included *	✗	
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)	Specific absorption rate (SAR)		
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)	Head SAR (EU)	0.823 W/kg	
Bluetooth *	✓	Body SAR (EU)	1.211 W/kg	
		Extremities SAR (EU)	2.26 W/kg	

Other features	
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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