

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

Brand : Samsung Product family: Galaxy Product code: SM-F971BLVCEUB

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: Lavender. 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 *	Lavender
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"		

Camera		Multimedia	
Second rear camera sensor size	1/2.52"	Audio formats supported	3GA, AAC, AMR, APE, AWB, DFF, DSF, FLAC, IMY, M4A, Mid, MIDI, MP3, MXMF, OGA, OGG, OTA, RTTTL, RTX, WAV, XMF
Rear camera resolution (numeric) *	50 MP		
Second rear camera resolution (numeric)	50 MP	Video formats supported	3G2, 3GP, AVI, FLV, M4V, MKV, MP4, WEBM
Third rear camera resolution (numeric)	50 MP		
Fourth rear camera resolution (numeric)	50 MP	Software	
Rear camera aperture number	1.8	Platform *	Android
Second rear camera aperture number	1.9	Battery	
Rear camera pixel size	1 µm	Removable battery	✗
Second rear camera pixel size	0.7 µm	Battery endurance in cycles *	1200
Rear camera field of view (FOV) angle	85°	Battery capacity *	4800 mAh
Second rear camera field of view (FOV) angle	120°	Wireless video playback time	26 h
Optical zoom	2x	Sensors	
Digital zoom	10x	Proximity sensor	✓
Front camera type *	Single camera	Accelerometer	✓
Front camera sensor size	1/3.33"	Ambient light sensor	✓
Front camera resolution (numeric) *	10 MP	Gyroscope	✓
Front camera aperture number	2.2	Barometer	✓
Front camera pixel size	1.12 µm	Geomagnetic sensor	✓
Front camera field of view (FOV) angle	100°	Hall sensor	✓
Cover camera resolution (numeric)	10 MP	Power	
Cover camera aperture number	2.2	USB Type-C charging port *	✓
Rear camera flash *	✓	USB Type-C required charging power (min) *	10 W
Flash type	LED	USB Type-C required charging power (max) *	45 W
Video capture resolution (max)	7680 x 4320 pixels	Endurance	
Maximum frame rate	30 fps	Energy efficiency class *	A
Rear camera type *	Dual camera	Energy efficiency scale	A to G
Auto focus	✓	Battery endurance per cycle *	2950 min
Image stabilizer	✓	Repeated free fall reliability class *	A
Image stabilizer type	Optical Image Stabilization (OIS)	Repairability class *	C
Night mode	✓	International Protection (IP) code *	IP48
Panorama	✓	Weight & dimensions	
Slow motion mode	✓	Width	161.4 mm
Slow motion rate	240fps @FHD, 120fps @FHD, 120fps @UHD	Depth	4.5 mm
Network		Height	123.9 mm
SIM card capability *	Dual SIM	Weight *	201 g
Mobile network generation *	5G	Folded width	8.19 cm
SIM card type *	NanoSIM + eSIM	Folded depth	9.7 mm
2G standards	GSM	Folded height	12.4 cm
3G standards *	WCDMA	Packaging content	
4G standard *	LTE-TDD & LTE-FDD	AC adapter included *	✗
5G standard *	Sub6 SDL, Sub6 TDD	Specific absorption rate (SAR)	
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)	Head SAR (EU)	0.823 W/kg
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)	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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