

Samsung Galaxy Z Fold8 19.3 cm (7.6") Dual SIM 5G USB Type-C
16 GB 1 TB 4800 mAh Graphite

Brand : Samsung Product family: Galaxy Product code: SM-F971BZKNEUB

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: 16 GB, Internal storage capacity: 1 TB. Rear camera resolution (numeric): 50 MP, Rear camera type: Dual camera. SIM card capability: Dual SIM. Battery capacity: 4800 mAh. Product colour: Graphite. 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 *	Graphite
Storage		Performance	
User memory	959.7 GB	Wireless charging	✓
RAM capacity *	16 GB	Fingerprint reader	✓
Internal storage capacity *	1 TB	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"		

Camera		Multimedia	
Rear camera resolution (numeric) *	50 MP	Video formats supported	3G2, 3GP, AVI, FLV, M4V, MKV, MP4, WEBM
Second rear camera resolution (numeric)	50 MP	Software	
Third rear camera resolution (numeric)	50 MP	Platform *	Android
Fourth rear camera resolution (numeric)	50 MP	Battery	
Rear camera aperture number	1.8	Removable battery	✗
Second rear camera aperture number	1.9	Battery endurance in cycles *	1200
Rear camera pixel size	1 µm	Battery capacity *	4800 mAh
Second rear camera pixel size	0.7 µm	Wireless video playback time	26 h
Rear camera field of view (FOV) angle	85°	Sensors	
Second rear camera field of view (FOV) angle	120°	Proximity sensor	✓
Optical zoom	2x	Accelerometer	✓
Digital zoom	10x	Ambient light sensor	✓
Front camera type *	Single camera	Gyroscope	✓
Front camera sensor size	1/3.33"	Barometer	✓
Front camera resolution (numeric) *	10 MP	Geomagnetic sensor	✓
Front camera aperture number	2.2	Hall sensor	✓
Front camera pixel size	1.12 µm	Power	
Front camera field of view (FOV) angle	100°	USB Type-C charging port *	✓
Cover camera resolution (numeric)	10 MP	USB Type-C required charging power (min) *	10 W
Cover camera aperture number	2.2	USB Type-C required charging power (max) *	45 W
Rear camera flash *	✓	Endurance	
Flash type	LED	Energy efficiency class *	A
Video capture resolution (max)	7680 x 4320 pixels	Energy efficiency scale	A to G
Maximum frame rate	30 fps	Battery endurance per cycle *	2950 min
Rear camera type *	Dual camera	Repeated free fall reliability class *	A
Auto focus	✓	Repairability class *	C
Image stabilizer	✓	International Protection (IP) code *	IP48
Image stabilizer type	Optical Image Stabilization (OIS)	Weight & dimensions	
Night mode	✓	Width	161.4 mm
Panorama	✓	Depth	4.5 mm
Slow motion mode	✓	Height	123.9 mm
Slow motion rate	240fps @FHD, 120fps @FHD, 120fps @UHD	Weight *	201 g
Network		Folded width	8.19 cm
SIM card capability *	Dual SIM	Folded depth	9.7 mm
Mobile network generation *	5G	Folded height	12.4 cm
SIM card type *	NanoSIM + eSIM	Packaging content	
2G standards	GSM	AC adapter included *	✗
3G standards *	WCDMA	Specific absorption rate (SAR)	
4G standard *	LTE-TDD & LTE-FDD	Head SAR (EU)	0.823 W/kg
5G standard *	Sub6 SDL, Sub6 TDD	Body SAR (EU)	1.211 W/kg
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)	Extremities SAR (EU)	2.26 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)		

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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