

Samsung Galaxy Z Fold8 Ultra 20.3 cm (8") Dual SIM 5G USB Type-C 12 GB 512 GB 5000 mAh Graphite

Brand : Samsung
Product family: Galaxy
Product code: SM-F976BZKCEUB
Product name : Galaxy Z Fold8 Ultra

- Productivity
- Customised Processor
- Galaxy AI Security

Galaxy Z Fold8 Ultra
Samsung Galaxy Z Fold8 Ultra . Display diagonal: 20.3 cm (8"), Display resolution: 2504 x 2256 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): 200 MP, Rear camera type: Triple camera. SIM card capability: Dual SIM. Battery capacity: 5000 mAh. Product colour: Graphite. Weight: 215 g



Display		Network	
Display diagonal *	20.3 cm (8")	5G standard *	Sub6 SDL, Sub6 TDD
Screen shape	Flat	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display technology marketing name	Dynamic AMOLED 2X	Wi-Fi standards	802.11a, 802.11b, 802.11g, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be)
Display glass type	Gorilla Glass	Bluetooth *	✓
Gorilla Glass version	Gorilla Glass Victus 2	Bluetooth version	6.0
Display resolution *	2504 x 2256 pixels	2G bands (primary SIM)	850,1900,1800,900 MHz
Display number of colours	16 million colours	3G bands supported	2100,900,1900,850,1700 MHz
Maximum refresh rate	120 Hz	4G bands supported	2100,700,800,1900,850,1800,1500,2300,2600,900,1700,2500 MHz
Display brightness	1500 cd/m²	5G bands supported	2100,700,1900,800,850,1800,2600,900,1700,2300,2500,3700,3500,1500 MHz
Maximum display brightness (Outdoor)	3000 cd/m²	Wi-Fi Direct	✓
Pixel density	422 ppi	MIMO	✓
Second display	✓	Modulation	4096-QAM
Second display diagonal	16.5 cm (6.5")	Near Field Communication (NFC)	✓
Second display resolution	2520 x 1080 pixels	Ports & interfaces	
Second display type	Dynamic AMOLED 2X	USB connector type	USB Type-C
Second display pixel density	422 ppi	USB version	3.2 Gen 1 (3.1 Gen 1)
Second display glass type	Gorilla Glass	Headphone connectivity	USB Type-C
Second display refresh rate	120 Hz	Mobile High-Definition Link (MHL)	✗
Second display Gorilla Glass version	Gorilla Glass Ceramic 3	Navigation	
Processor		GPS (satellite)	✓
Processor family *	Snapdragon	GLONASS	✓
Processor model *	8 Elite Gen 5	BeiDou	✓
Processor cores	8	Galileo	✓
Processor frequency *	3.6 GHz	Quasi-Zenith Satellite System (QZSS)	✓
Processor boost frequency	4.74 GHz	Position location *	✓
		Design	
		Form factor *	Fold

Storage		Design	
User memory	473.1 GB	Product colour *	Graphite
RAM capacity *	12 GB	Performance	
Internal storage capacity *	512 GB	Wireless charging	✓
Compatible memory cards *	Not supported	Fingerprint reader	✓
Camera		Face recognition	✓
Rear camera sensor size	1/1.3"	Hearing aid compatibility	✓
Second rear camera sensor size	1/2.52"	Multimedia	
Third rear camera sensor size	1/3.94"	Speakers	stereo
Rear camera resolution (numeric) *	200 MP	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 resolution (numeric)	50 MP		Video formats supported
Third rear camera resolution (numeric)	10 MP	Software	
Fourth rear camera resolution (numeric)	200 MP	Platform *	Android
Rear camera aperture number	1.7	Battery	
Second rear camera aperture number	1.9	Removable battery	✗
Third rear camera aperture number	2.4	Battery endurance in cycles *	1200
Rear camera pixel size	0.6 µm	Battery capacity *	5000 mAh
Second rear camera pixel size	0.7 µm	Wireless video playback time	27 h
Third rear camera pixel size	1 µm	Sensors	
Rear camera field of view (FOV) angle	85°	Proximity sensor	✓
Second rear camera field of view (FOV) angle	120°	Accelerometer	✓
Third rear camera field of view (FOV) angle	36°	Ambient light sensor	✓
Optical zoom	3x	Gyroscope	✓
Digital zoom	30x	Barometer	✓
Front camera type *	Single camera	Geomagnetic sensor	✓
Front camera sensor size	1/3.33"	Hall sensor	✓
Front camera resolution (numeric) *	10 MP	Power	
Front camera aperture number	2.2	USB Type-C charging port *	✓
Front camera pixel size	1.12 µm	USB Power Delivery (USB PD)	✓
Front camera field of view (FOV) angle	85°	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 *	3070 min
Maximum frame rate	30 fps	Repeated free fall reliability class *	A
Rear camera type *	Triple camera	Repairability class *	C
Auto focus	✓	International Protection (IP) code *	IP48
Image stabilizer	✓	Weight & dimensions	
Image stabilizer type	Optical Image Stabilization (OIS)	Width	143.2 mm
Night mode	✓	Depth	4.1 mm
Panorama	✓	Height	158.4 mm
Portrait mode	✓	Weight *	215 g
Slow motion mode	✓	Folded width	7.28 cm
Slow motion rate	240fps @FHD, 120fps @FHD, 120fps @UHD	Folded depth	8.9 mm
Camera image formats supported	JPEG	Folded height	15.8 cm
Network		Packaging content	
SIM card capability *	Dual SIM	AC adapter included *	✗
Mobile network generation *	5G	Cables included	USB Type-C to USB Type-C
SIM card type *	NanoSIM + eSIM	SIM card ejector pin	✓
2G standards	GSM		
3G standards *	WCDMA		
4G standard *	LTE-TDD & LTE-FDD		

Specific absorption rate (SAR)	
Head SAR (EU)	0.821 W/kg
Body SAR (EU)	1.167 W/kg
Extremities SAR (EU)	2.87 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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Catalog Object Cloud



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