

Samsung Galaxy Z Fold8 Ultra 20.3 cm (8") Dual SIM 5G USB Type-C 16 GB 1 TB 5000 mAh Violet

Brand : Samsung Product family: Galaxy Product code: SM-F976BZVNEUB

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: 16 GB, Internal storage capacity: 1 TB. Rear camera resolution (numeric): 200 MP, Rear camera type: Triple camera. SIM card capability: Dual SIM. Battery capacity: 5000 mAh. Product colour: Violet. 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, 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	959.5 GB	Product colour *	Violet
RAM capacity *	16 GB	Colour name	Violet Shadow
Internal storage capacity *	1 TB	Performance	
Compatible memory cards *	Not supported	Wireless charging	✓
Camera		Fingerprint reader	✓
Rear camera sensor size	1/1.3"	Face recognition	✓
Second rear camera sensor size	1/2.52"	Hearing aid compatibility	✓
Third rear camera sensor size	1/3.94"	Multimedia	
Rear camera resolution (numeric) *	200 MP	Speakers	stereo
Second rear camera resolution (numeric)	50 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
Third rear camera resolution (numeric)	10 MP		
Fourth rear camera resolution (numeric)	200 MP	Video formats supported	3G2, 3GP, AVI, FLV, M4V, MKV, MP4, WEBM
Rear camera aperture number	1.7		
Second rear camera aperture number	1.9	Software	
Third rear camera aperture number	2.4	Platform *	Android
Rear camera pixel size	0.6 µm	Battery	
Second rear camera pixel size	0.7 µm	Removable battery	✗
Third rear camera pixel size	1 µm	Battery endurance in cycles *	1200
Rear camera field of view (FOV) angle	85°	Battery capacity *	5000 mAh
Second rear camera field of view (FOV) angle	120°	Wireless video playback time	27 h
Third rear camera field of view (FOV) angle	36°	Sensors	
Optical zoom	3x	Proximity sensor	✓
Digital zoom	30x	Accelerometer	✓
Front camera type *	Single camera	Ambient light sensor	✓
Front camera sensor size	1/3.33"	Gyroscope	✓
Front camera resolution (numeric) *	10 MP	Barometer	✓
Front camera aperture number	2.2	Geomagnetic sensor	✓
Front camera pixel size	1.12 µm	Hall sensor	✓
Front camera field of view (FOV) angle	85°	Power	
Cover camera resolution (numeric)	10 MP	USB Type-C charging port *	✓
Cover camera aperture number	2.2	USB Type-C required charging power (min) *	10 W
Rear camera flash *	✓	USB Type-C required charging power (max) *	45 W
Flash type	LED	Endurance	
Video capture resolution (max)	7680 x 4320 pixels	Energy efficiency class *	A
Maximum frame rate	30 fps	Energy efficiency scale	A to G
Rear camera type *	Triple camera	Battery endurance per cycle *	3070 min
Auto focus	✓	Repeated free fall reliability class *	A
Image stabilizer	✓	Repairability class *	C
Image stabilizer type	Optical Image Stabilization (OIS)	International Protection (IP) code *	IP48
Night mode	✓	Weight & dimensions	
Panorama	✓	Width	143.2 mm
Portrait mode	✓	Depth	4.1 mm
Slow motion mode	✓	Height	158.4 mm
Slow motion rate	240fps @FHD, 120fps @FHD, 120fps @UHD	Weight *	215 g
Camera image formats supported	JPEG	Folded width	7.28 cm
Network		Folded depth	8.9 mm
SIM card capability *	Dual SIM	Folded height	15.8 cm
Mobile network generation *	5G	Packaging content	
SIM card type *	NanoSIM + eSIM	AC adapter included *	✗
2G standards	GSM	Cables included	USB Type-C to USB Type-C
3G standards *	WCDMA	SIM card ejector pin	✓
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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