

## Samsung Galaxy Z Fold6

**Brand :** Samsung

**Product family:** Galaxy

**Product code:** SM-F956BDBNEUB

**Product name :** Galaxy Z Fold6



- The most efficient way to search on a smartphone  
 - The thinnest, lightest design  
 - The most powerful processor on Samsung Galaxy foldables  
 7.6" + 6.3", Dynamic AMOLED 2X, 50MP + 12MP + 10MP, 4 + 10MP, 12/1000GB, 5G, 802.11a/b/g/n/ac/ax, Bluetooth 5.3, NFC, Android  
 Samsung Galaxy Z Fold6 . Display diagonal: 19.3 cm (7.6"), Display resolution: 2160 x 1856 pixels.  
 Processor family: Qualcomm Snapdragon, Processor model: 8 Gen 3. RAM capacity: 12 GB, Internal storage capacity: 1 TB. Rear camera resolution (numeric): 50 MP, Rear camera type: Triple camera. SIM card capability: Dual SIM. Operating system installed: Android 14. Battery capacity: 4400 mAh. Product colour: Navy. Weight: 239 g

Display		Network	
Display diagonal *	19.3 cm (7.6")	SIM card capability *	Dual SIM
Screen shape	Flat	Mobile network generation *	5G
Display technology marketing name	Dynamic AMOLED 2X	SIM card type *	NanoSIM + eSIM
Panel type	AMOLED	2G standards	GSM
Display glass type	Corning Glass	3G standards *	WCDMA
Gorilla Glass version	Gorilla Glass Victus 2	4G standard *	LTE-TDD & LTE-FDD
Display resolution *	2160 x 1856 pixels	5G standard *	Sub6 FDD, Sub6 SDL, Sub6 TDD
Display number of colours	16 million colours	Wi-Fi *	✓
Maximum refresh rate	120 Hz	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)
Display brightness	1500 cd/m <sup>2</sup>	Bluetooth *	✓
Maximum display brightness (Outdoor)	2600 cd/m <sup>2</sup>	Bluetooth version	5.3
Pixel density	374 ppi	2G bands (primary SIM)	900,1900,850,1800 MHz
Brand specific technologies	Always-on display	3G bands supported	900,850,1900,2100 MHz
Second display	✓	4G bands supported	1500,2100,700,2300,800,1800,850,1900,2500,900,2600 MHz
Second display diagonal	16 cm (6.3")	5G bands supported	2300,700,800,1800,2500,850,1900,2600,900,2100,3500 MHz
Second display resolution	968 x 2376 pixels	Wi-Fi Direct	✓
Second display brightness	1500 Nits	MIMO	✓
Maximum second display brightness	2600 cd/m <sup>2</sup>	Modulation	1024-QAM
Second display type	Dynamic AMOLED 2X	Near Field Communication (NFC)	✓
Second display pixel density	410 ppi	<b>Subscription</b>	
Second display refresh rate	120 Hz	Subscription type *	No subscription
<b>Processor</b>		<b>Ports &amp; interfaces</b>	
Processor family *	Qualcomm Snapdragon	USB port *	✓
Processor model *	8 Gen 3	USB connector type	USB Type-C
Processor cores	8	USB version	3.2 Gen 1 (3.1 Gen 1)
<b>Storage</b>		Mobile High-Definition Link (MHL)	✗
User memory	992 GB	<b>Design</b>	
RAM capacity *	12 GB	Form factor *	Clamshell
Internal storage capacity *	1 TB	Product colour *	Navy
Compatible memory cards *	Not supported	International Protection (IP) code	IP48
<b>Camera</b>		Protection features	Water resistant
Rear camera sensor size	1/1.56"	Housing material	Aluminium
Second rear camera sensor size	1/3.2"	<b>Performance</b>	
Third rear camera sensor size	1/3.94"	Fast charging	✓
Rear camera resolution (numeric) *	50 MP	Wireless charging	✓
Second rear camera resolution (numeric)	12 MP	Reverse wireless charging	✓
		Fingerprint reader	✓
		Face recognition	✓
		Hearing aid compatibility	✓

Camera		Navigation	
Third rear camera resolution (numeric)	10 MP	GPS (satellite)	✓
Rear camera resolution	8160 x 6120 pixels	GLONASS	✓
Rear camera aperture number	1.8	BeiDou	✓
Second rear camera aperture number	2.2	Galileo	✓
Third rear camera aperture number	2.4	Quasi-Zenith Satellite System (QZSS)	✓
Rear camera pixel size	1 µm	Position location *	✓
Second rear camera pixel size	1.12 µm	<b>Multimedia</b>	
Third rear camera pixel size	1 µm	Speakers	stereo
Rear camera field of view (FOV) angle	85°	Audio formats supported	MIDI, APE, AAC, AWB, MP3, RTTTL, RTX, WAV, DFF, MXMF, DSF, OGA, OGG, XMF, M4A, OTA, FLAC, AMR, Mid
Second rear camera field of view (FOV) angle	123°	Video formats supported	3GP, AVI, FLV, M4V, MKV, MP4, WEBM
Third rear camera field of view (FOV) angle	36°	<b>Software</b>	
Optical zoom	3x	Platform *	Android
Digital zoom	30x	Operating system installed *	Android 14
Front camera type *	Single camera	Virtual assistant	Samsung Bixby
Front camera resolution (numeric) *	4 MP	<b>Battery</b>	
Front camera aperture number	1.8	Battery recharge time	1.4 h
Cover camera resolution (numeric)	10 MP	Battery capacity *	4400 mAh
Cover camera aperture number	2.2	Browsing time (Wi-Fi)	18 h
Rear camera flash *	✓	Browsing time (4G)	18 h
Flash type	LED	Continuous audio playback time	77 h
Video capture resolution (max)	7680 x 4320 pixels	Continuous video playback time	23 h
Maximum frame rate	240 fps	<b>Sensors</b>	
Resolution at capture speed	1280x720@30fps,	Proximity sensor	✓
	1920x1080@120fps,	Accelerometer	✓
	1920x1080@240fps,	Ambient light sensor	✓
	1920x1080@30fps,	Gyroscope	✓
	1920x1080@60fps,	Barometer	✓
3840x2160@120fps,	Geomagnetic sensor	✓	
3840x2160@30fps,	Hall sensor	✓	
3840x2160@60fps,	<b>Weight &amp; dimensions</b>		
7680x4320@30fps	Width	132.6 mm	
Rear camera type *	Triple camera	Depth	5.6 mm
Auto focus	✓	Height	153.5 mm
Face detection	✓	Weight *	239 g
Image stabilizer	✓	Folded width	6.81 cm
Image stabilizer type	Optical Image Stabilization (OIS)	Folded depth	1.21 cm
Night mode	✓	Folded height	15.3 cm
Portrait mode	✓		



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