SAMSUNG

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

Display diagonal *	19.3 cm (7.6")
Screen shape	Flat
Display technology marketing name	Dynamic AMOLED 2X
Panel type	AMOLED
Display glass type	Corning Glass
Gorilla Glass version	Gorilla Glass Victus 2
Display resolution *	2160 x 1856 pixels
Display number of colours	16 million colours
Maximum refresh rate	120 Hz
Display brightness	1500 cd/m²
Maximum display brightness (Outdoor)	2600 cd/m²
Pixel density	374 ppi
Brand specific technologies	Always-on display
Second display	✓
Second display diagonal	16 cm (6.3")
Second display resolution	968 x 2376 pixels
Second display brightness	1500 cd/m²
Maximum second display brightness	2600 cd/m²
Second display type	Dynamic AMOLED 2X
Second display pixel density	410 ppi
Second display refresh rate	120 Hz

Processor

Processor family *	Qualcomm Snapdragon
Processor model *	8 Gen 3
Processor cores	8

Storage

User memory	992 GB
RAM capacity *	12 GB
Internal storage capacity *	1 TB
Compatible memory cards *	Not supported

Camera

Rear camera sensor size	1/1.56"
Second rear camera sensor size	1/3.2"
Third rear camera sensor size	1/3.94"
Rear camera resolution (numeric) *	50 MP
Second rear camera resolution (numeric)	12 MP

Network

SIM card capability *	Dual SIM
Mobile network generation *	5G
SIM card type *	NanoSIM + eSIM
2G standards	GSM
3G standards *	WCDMA
4G standard *	LTE-TDD & LTE-FDD
5G standard *	Sub6 FDD, Sub6 SDL, Sub6 TDD
Wi-Fi	✓
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)
Bluetooth *	✓
Bluetooth version	5.3
2G bands (primary SIM)	900,1900,850,1800 MHz
3G bands supported	900,850,1900,2100 MHz
4G bands supported	1500,2100,700,2300,800,1800,850,1900,2500,900,2600 MHz
5G bands supported	2300,700,800,1800,2500,850,1900,2600,900,2100,3500 MHz
Wi-Fi Direct	✓
MIMO	✓
Modulation	1024-QAM
Near Field Communication (NFC)	✓

Subscription

Subscription type *	No subscription

Ports & interfaces

USB port *	✓
USB connector type	USB Type-C
USB version	3.2 Gen 1 (3.1 Gen 1)
Mobile High-Definition Link (MHL)	✗

Design

Form factor *	Clamshell
Product colour *	Navy
International Protection (IP) code	IP48
Protection features	Water resistant
Housing material	Aluminium

Performance

Fast charging	✓
Wireless charging	✓
Reverse wireless charging	✓
Fingerprint reader	✓
Face recognition	✓
Hearing aid compatibility	✓

Camera

Third rear camera resolution (numeric)	10 MP
Rear camera resolution	8160 x 6120 pixels
Rear camera aperture number	1.8
Second rear camera aperture number	2.2
Third rear camera aperture number	2.4
Rear camera pixel size	1 μm
Second rear camera pixel size	1.12 μm
Third rear camera pixel size	1 μm
Rear camera field of view (FOV) angle	85°
Second rear camera field of view (FOV) angle	123°
Third rear camera field of view (FOV) angle	36°
Optical zoom	3x
Digital zoom	30x
Front camera type *	Single camera
Front camera resolution (numeric) *	4 MP
Front camera aperture number	1.8
Cover camera resolution (numeric)	10 MP
Cover camera aperture number	2.2
Rear camera flash *	✓
Flash type	LED
Video capture resolution (max)	7680 x 4320 pixels
Maximum frame rate	240 fps
Resolution at capture speed	1280x720@30fps, 1920x1080@120fps, 1920x1080@240fps, 1920x1080@30fps, 1920x1080@60fps, 3840x2160@120fps, 3840x2160@30fps, 3840x2160@60fps, 7680x4320@30fps
Rear camera type *	Triple camera
Auto focus	✓
Face detection	✓
Image stabilizer	✓
Image stabilizer type	Optical Image Stabilization (OIS)
Night mode	✓
Portrait mode	✓

Navigation

GPS (satellite)	✓
GLONASS	✓
BeiDou	✓
Galileo	✓
Quasi-Zenith Satellite System (QZSS)	✓
Position location *	✓

Multimedia

Speakers	stereo
Audio formats supported	MIDI, APE, AAC, AWB, MP3, RTTTL, RTX, WAV, DFF, MXMF, DSF, OGA, OGG, XMF, M4A, OTA, FLAC, AMR, Mid
Video formats supported	3GP, AVI, FLV, M4V, MKV, MP4, WEBM

Software

Platform *	Android
Operating system installed *	Android 14
Virtual assistant	Samsung Bixby

Battery

Battery recharge time	1.4 h
Battery capacity *	4400 mAh
Browsing time (Wi-Fi)	18 h
Browsing time (4G)	18 h
Continuous audio playback time	77 h
Continuous video playback time	23 h

Sensors

Proximity sensor	✓
Accelerometer	✓
Ambient light sensor	✓
Gyroscope	✓
Barometer	✓
Geomagnetic sensor	✓
Hall sensor	✓

Weight & dimensions

Width	132.6 mm
Depth	5.6 mm
Height	153.5 mm
Weight *	239 g
Folded width	6.81 cm
Folded depth	1.21 cm
Folded height	15.3 cm

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