**SAMSUNG**

# Samsung Galaxy Z Fold5 SM-F946B 19.3 cm (7.6") Dual SIM Android 13 5G USB Type-C 12 GB 256 GB 4400 mAh Cream

**Brand :** Samsung

**Product family:** Galaxy

**Product code:** SM-F946BZEBEUE

**Product name :** SM-F946B

Samsung Galaxy Z Fold5 SM-F946B. Display diagonal: 19.3 cm (7.6"), Display resolution: 2176 x 1812 pixels, Display type: Dynamic AMOLED 2X. Processor family: Qualcomm Snapdragon, Processor model: 8 Gen 2. RAM capacity: 12 GB, Internal storage capacity: 256 GB. Rear camera resolution (numeric): 50 MP, Rear camera type: Triple camera. SIM card capability: Dual SIM. Operating system installed: Android 13. Battery capacity: 4400 mAh. Product colour: Cream. Weight: 253 g

## Display

| | |
|---|---|
| Display diagonal * | 19.3 cm (7.6") |
| Screen shape | Flat |
| Display type | Dynamic AMOLED 2X |
| Display glass type | Gorilla Glass |
| Display resolution * | 2176 x 1812 pixels |
| Display number of colours | 16 million colours |
| Maximum refresh rate | 120 Hz |
| Display brightness | 1200 cd/m² |
| Maximum display brightness (Outdoor) | 1750 cd/m² |
| Pixel density | 374 ppi |
| Brand specific technologies | Always-on display |
| Second display | ✓ |
| Second display diagonal | 15.8 cm (6.2") |
| Second display resolution | 2316 x 904 pixels |
| Second display brightness | 1000 cd/m² |
| Second display refresh rate | 120 Hz |

## Processor

| | |
|---|---|
| Processor family * | Qualcomm Snapdragon |
| Processor model * | 8 Gen 2 |
| Processor cores | 8 |
| Processor boost frequency | 3.36 GHz |

## Storage

| | |
|---|---|
| RAM capacity * | 12 GB |
| Internal storage capacity * | 256 GB |

## Camera

| | |
|---|---|
| Rear camera sensor size | 1/1.56" |
| Second rear camera sensor size | 1/3.21" |
| Third rear camera sensor size | 1/3.94" |
| Rear camera resolution (numeric) * | 50 MP |
| Second rear camera resolution (numeric) | 12 MP |
| Third rear camera resolution (numeric) | 10 MP |
| Rear camera resolution | 6120 x 8160 pixels |
| Rear camera aperture number | 1.8 |
| Second rear camera aperture number | 2.2 |
| 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° |

## Camera

| | |
|---|---|
| Auto focus | ✓ |
| Time lapse mode | ✓ |
| Image stabilizer | ✓ |
| Image stabilizer type | Optical Image Stabilization (OIS) |
| Night mode | ✓ |
| Panorama | ✓ |
| Portrait mode | ✓ |

## Network

| | |
|---|---|
| SIM card capability * | Dual SIM |
| Mobile network generation * | 5G |
| SIM card type * | NanoSIM + eSIM |
| 3G standards * | UMTS, WCDMA |
| 4G standard * | LTE-TDD & LTE-FDD |
| 5G standard * | Sub6 FDD, 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 6E (802.11ax) |
| Bluetooth * | ✓ |
| Bluetooth version | 5.3 |
| 3G bands supported | 850,900,1900,2100 MHz |
| 4G bands supported | 700,800,850,900,1500,1800,1900,2100,2300,2500,2600 MHz |
| 5G bands supported | 700,800,850,900,1800,1900,2100,2300,2500,2600,3500,3700 MHz |
| Wi-Fi Direct | ✓ |
| MIMO | ✓ |
| Modulation | 1024-QAM |
| Near Field Communication (NFC) | ✓ |

## Ports & interfaces

| | |
|---|---|
| USB port * | ✓ |
| USB connector type | USB Type-C |
| USB version | 3.2 Gen 1 (3.1 Gen 1) |
| Headphone connectivity | USB Type-C |

## Design

| | |
|---|---|
| Form factor * | Clamshell |
| Product colour * | Cream |
| International Protection (IP) code | IPX8 |
| Housing material | Aluminium |

## Performance

| | |
|---|---|
| Fast charging | ✓ |
| Wireless charging | ✓ |
| Fingerprint reader | ✓ |
| Face recognition | ✓ |
| USB On-The-Go support | ✓ |

## Navigation

| | |
|---|---|
| GPS (satellite) | ✓ |
| GLONASS | ✓ |
| BeiDou | ✓ |

## Camera

| | |
|---|---|
| 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 * | Dual camera |
| Front camera sensor size | 1/3.24" |
| Front camera resolution (numeric) * | 10 MP |
| Second front camera resolution (numeric) | 10 MP |
| Front camera aperture number | 2.2 |
| Second front camera aperture number | 1.8 |
| Front camera pixel size | 1.22 µm |
| Second front camera pixel size | 2 µm |
| Front camera field of view (FOV) angle | 85° |
| Second front camera field of view (FOV) angle | 80° |
| Rear camera flash * | ✔ |
| Flash type | LED |
| Video capture resolution (max) | 4320 x 7680 pixels |
| Maximum frame rate | 960 fps |
| Resolution at capture speed | 1280x720@30fps, 1920x1080@30fps, 1920x1080@60fps, 3840x2160@30fps, 3840x2160@60fps, 7680x4320@30fps |
| Rear camera type * | Triple camera |

## Navigation

| | |
|---|---|
| Galileo | ✔ |
| Quasi-Zenith Satellite System (QZSS) | ✔ |
| Position location * | ✔ |

## Multimedia

| | |
|---|---|
| Equalizer | ✔ |
| Audio system | Dolby Atmos |
| Audio formats supported | 3GA, AAC, AMR, APE, AWB, DFF, DSF, FLAC, IMY, M4A, Mid, MIDI, MP3, MXMF, OGA, OGG, OTA, RTTTL, RTX, WAV, XMF |
| Video formats supported | 3G2, 3GP, AVI, FLV, M4V, MKV, MP4, WEBM |

## Software

| | |
|---|---|
| Platform * | Android |
| Operating system installed * | Android 13 |

## Battery

| | |
|---|---|
| Battery capacity * | 4400 mAh |

## Sensors

| | |
|---|---|
| Proximity sensor | ✔ |
| Accelerometer | ✔ |
| Ambient light sensor | ✔ |
| Gyroscope | ✔ |
| Barometer | ✔ |
| Geomagnetic sensor | ✔ |
| Hall sensor | ✔ |

## Weight & dimensions

| | |
|---|---|
| Width | 129.9 mm |
| Depth | 6.1 mm |
| Height | 154.9 mm |
| Weight * | 253 g |
| Folded width | 6.71 cm |
| Folded depth | 1.34 cm |
| Folded height | 15.5 cm |

**8806095012469**