**SAMSUNG**

# Samsung Galaxy S8 14,7 cm (5.8") Single SIM Android 7.0 4G USB Type-C 4 GB 64 GB 3000 mAh Silver

**Brand :** Samsung          **Product family:** Galaxy          **Product code:** SM-G950FZSA

**Product name :** S8

14.732 cm (5.8 ") 2960 x 1440 Super AMOLED, LTE, Octa core (2.3GHz Quad + 1.7GHz Quad) 64 bit, 4GB RAM (LPDDR4), 64GB, Dual Pixel 12MP OIS, NFC, Wi-Fi, Bluetooth, Android
Samsung Galaxy S8 . Display diagonal: 14,7 cm (5.8"), Display resolution: 1440 x 2960 pixels. Processor frequency: 2,3 GHz. RAM capacity: 4 GB, RAM type: LPDDR4, Internal storage capacity: 64 GB. Rear camera resolution (numeric): 12 MP, Rear camera type: Single camera. SIM card capability: Single SIM. Operating system installed: Android 7.0. Battery capacity: 3000 mAh. Product colour: Silver. Weight: 155 g

### Display

| | |
|---|---|
| Display diagonal * | 14,7 cm (5.8") |
| Screen shape | Curved edge screen |
| Display technology marketing name | Super AMOLED |
| Panel type | OLED |
| Display resolution * | 1440 x 2960 pixels |
| Display number of colours | 16 million colours |
| Touch technology | Multi-touch |
| Touchscreen type | Capacitive |
| Pixel density | 570 ppi |
| Rounded display corners | ✔ |
| Second display | ✘ |

### Processor

| | |
|---|---|
| Processor cores | 4 |
| Processor frequency * | 2,3 GHz |
| 64-bit computing | ✔ |
| Coprocessor | ✔ |
| Coprocessor frequency | 1,7 GHz |
| Coprocessor cores | 4 |

### Storage

| | |
|---|---|
| RAM capacity * | 4 GB |
| RAM type | LPDDR4 |
| RAM clock speed | 1866 MHz |
| Internal storage capacity * | 64 GB |

### Messaging

| | |
|---|---|
| Chat | ✔ |
| E-mail | ✔ |

### Design

| | |
|---|---|
| Form factor * | Bar |
| Product colour * | Silver |
| Colour name | Arctic Silver |
| International Protection (IP) code | IP68 |
| Protection features | Dust resistant, Water resistant |

### Performance

| | |
|---|---|
| Video call | ✔ |
| Fast charging | ✔ |
| Wireless charging | ✔ |
| Fingerprint reader | ✔ |
| Personal info management (PIM) | Alarm clock, Calculator, Calendar, Events reminder, Notes, To-do list |
| Speakerphone | ✔ |
| Flight mode | ✔ |
| Voice dialing | ✔ |
| Personalization | Icons, Menu, Shortcuts |
| Support for contact groups | ✔ |
| Microphone mute | ✔ |
| Themes | Wallpapers |

## Storage

| | |
|---|---|
| Compatible memory cards * | MicroSD (TransFlash) |
| Maximum memory card size | 256 GB |
| USB mass storage | ✔ |

## Camera

| | |
|---|---|
| Rear camera resolution (numeric) * | 12 MP |
| Rear camera resolution | 4032 x 3024 pixels |
| Rear camera aperture number | 1,7 |
| Second rear camera aperture number | 1,7 |
| Digital zoom | 8x |
| Front camera type * | Single camera |
| Front camera resolution (numeric) * | 8 MP |
| Front camera aperture number | 1,7 |
| Rear camera flash * | ✔ |
| Flash type | LED |
| Optical sensor size | 25,4 / 2,55 mm (1 / 2.55") |
| Maximum frame rate | 60 fps |
| Resolution at capture speed | 1920x1080@60fps, 3840x2160@30fps |
| Video recording modes | 1080p, 2160p, 720p |
| Rear camera type * | Single camera |
| Auto focus | ✔ |
| Zoom capability | ✔ |
| Face detection | ✔ |
| Video recording | ✔ |
| Video stabilizer | ✔ |
| Image stabilizer | ✔ |
| Geotagging | ✔ |
| Self-timer | ✔ |
| Night mode | ✔ |
| Smile detection | ✔ |

## Network

| | |
|---|---|
| SIM card capability * | Single SIM |
| Mobile network generation * | 4G |
| SIM card type * | NanoSIM |
| 2G standards | GSM |
| 3G standards * | TD-SCDMA, UMTS, WCDMA |
| 4G standard * | LTE |
| Wi-Fi | ✔ |
| Wi-Fi standards | 802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n) |
| Bluetooth * | ✔ |
| Bluetooth version | 5.0 |
| Bluetooth profiles | A2DP, AVCTP, HFP, HID, HOGP, HSP, MAP, OPP, PAN, PBAP |
| 2G bands (primary SIM) | 850,900,1800,1900 MHz |
| 3G bands supported | 850,900,1900,2100 MHz |
| 4G bands supported | 700,800,850,900,1800,1900,2100,2300,2500,2600 MHz |
| Tethering (modem-mode) | ✔ |
| Wi-Fi Direct | ✔ |
| Near Field Communication (NFC) | ✔ |

## Subscription

| | |
|---|---|
| Subscription type * | No subscription |

## Ports & interfaces

| | |
|---|---|
| USB port | ✔ |
| USB connector type | USB Type-C |
| USB version | 3.2 Gen 2 (3.1 Gen 2) |
| Headphone connectivity | 3.5 mm |
| Mobile High-Definition Link (MHL) | ✘ |

## Performance

| | |
|---|---|
| Vibrating alert | ✔ |

## Navigation

| | |
|---|---|
| Assisted GPS (A-GPS) | ✔ |
| GPS (satellite) | ✔ |
| GLONASS | ✔ |
| BeiDou | ✔ |
| Galileo | ✔ |
| Electronic compass | ✔ |
| Position location * | ✔ |
| Wi-Fi positioning | ✔ |

## Multimedia

| | |
|---|---|
| FM radio | ✔ |
| Playback modes | Zoom |
| Audio formats supported | 3GA, AAC, AMR, AWB, FLAC, IMY, M4A, Mid, MIDI, MP3, MXMF, OGA, OGG, OTA, RTTTL, RTX, WAV, WMA, XMF |
| Video formats supported | 3G2, 3GP, ASF, AVI, FLV, M4V, MKV, MP4, WEBM, WMV |

## Call management

| | |
|---|---|
| Call waiting | ✔ |
| Call divert | ✔ |
| Call hold | ✔ |
| Caller ID | ✔ |
| Conference call | ✔ |
| Speed dialing | ✔ |
| Call timer | ✔ |

## Software

| | |
|---|---|
| Platform * | Android |
| Operating system installed * | Android 7.0 |
| App distribution platform | Google Play |
| Google applications | Google Maps, Google Play, YouTube |

## Battery

| | |
|---|---|
| Battery capacity * | 3000 mAh |
| Talk time (3G) * | 20 h |
| Standby time (3G) * | 20 h |
| Browsing time (Wi-Fi) | 14 h |
| Browsing time (3G) | 11 h |
| Browsing time (4G) | 12 h |
| Continuous audio playback time | 44 h |
| Continuous audio playback time (display off) | 67 h |
| Continuous video playback time | 16 h |

## Sensors

| | |
|---|---|
| Proximity sensor | ✔ |
| Accelerometer | ✔ |
| Ambient light sensor | ✔ |
| Gyroscope | ✔ |
| Orientation sensor | ✔ |
| Barometer | ✔ |
| Distance sensor | ✔ |
| Magnetic sensor | ✔ |

## Weight & dimensions

| | |
|---|---|
| Width | 68,1 mm |
| Depth | 8 mm |

## Ports & interfaces

| | |
|---|---|
| ANT+ enabled | ✔ |

## Messaging

| | |
|---|---|
| Short Message Service (SMS) | ✔ |
| Multimedia Messaging Service (MMS) | ✔ |
| Instant messaging (IM) | ✔ |

## Weight & dimensions

| | |
|---|---|
| Height | 148,9 mm |
| Weight * | 155 g |

## Certificates

| | |
|---|---|
| Head SAR (EU) | 0,315 W/kg |
| Body SAR (EU) | 1,27 W/kg |

## Packaging content

| | |
|---|---|
| AC adapter included * | ✔ |
| Quick start guide | ✔ |
| Cables included | USB Type-C |
| Headset included | ✔ |

## Logistics data

| | |
|---|---|
| Harmonized System (HS) code | 85171300 |

## Other features

| | |
|---|---|
| Touchscreen | ✔ |

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