

# Samsung Galaxy S6 SM-G920

| NETWORK  | Technology    | <u>GSM / HSPA / LTE</u>                                                                                                |
|----------|---------------|------------------------------------------------------------------------------------------------------------------------|
| LAUNCH   | Announced     | 2015, March                                                                                                            |
|          | Status        | Available. Released 2015, April                                                                                        |
| BODY     | Dimensions    | 143.4 x 70.5 x 6.8 mm (5.65 x 2.78 x 0.27 in)                                                                          |
|          | Weight        | 138 g (4.87 oz)                                                                                                        |
|          | Build         | Corning Gorilla Glass 4 back panel                                                                                     |
|          | SIM           | Nano-SIM                                                                                                               |
|          |               | - Fingerprint sensor (PayPal certified)<br>- Samsung Pay (Visa, MasterCard certified)                                  |
| DISPLAY  | Type          | Super AMOLED capacitive touchscreen, 16M colors                                                                        |
|          | Size          | 5.1 inches (~70.7% screen-to-body ratio)                                                                               |
|          | Resolution    | 1440 x 2560 pixels (~577 ppi pixel density)                                                                            |
|          | Multitouch    | Yes                                                                                                                    |
|          | Protection    | Corning Gorilla Glass 4                                                                                                |
|          |               | - TouchWiz UI                                                                                                          |
| PLATFORM | OS            | Android OS, v5.0.2 (Lollipop), upgradable to v5.1.1 (Lollipop)                                                         |
|          | Chipset       | Exynos 7420                                                                                                            |
|          | CPU           | Quad-core 1.5 GHz Cortex-A53 & Quad-core 2.1 GHz Cortex-A57                                                            |
|          | GPU           | Mali-T760MP8                                                                                                           |
| MEMORY   | Card slot     | No                                                                                                                     |
|          | Internal      | 32/64/128 GB, 3 GB RAM                                                                                                 |
| CAMERA   | Primary       | 16 MP, 2988 x 5312 pixels, optical image stabilization, autofocus, LED flash, <a href="#">check quality</a>            |
|          | Features      | Geo-tagging, touch focus, face detection, Auto HDR, panorama                                                           |
|          | Video         | 2160p@30fps, 1080p@60fps, 720p@120fps, HDR, dual-video rec., <a href="#">check quality</a>                             |
|          | Secondary     | 5 MP, 1440p@30fps, dual video call, Auto HDR                                                                           |
| SOUND    | Alert types   | Vibration; MP3, WAV ringtones                                                                                          |
|          | Loudspeaker   | Yes                                                                                                                    |
|          | 3.5mm jack    | Yes                                                                                                                    |
| COMMS    | WLAN          | Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot                                                              |
|          | Bluetooth     | v4.1, A2DP, LE, apt-X                                                                                                  |
|          | GPS           | Yes, with A-GPS, GLONASS, Beidou                                                                                       |
|          | NFC           | Yes                                                                                                                    |
|          | Infrared port | Yes                                                                                                                    |
|          | Radio         | No                                                                                                                     |
|          | USB           | microUSB v2.0, USB Host                                                                                                |
| FEATURES | Sensors       | Accelerometer, gyro, proximity, compass, barometer, heart rate, SpO2                                                   |
|          | Messaging     | SMS(threaded view), MMS, Email, Push Mail, IM                                                                          |
|          | Browser       | HTML5                                                                                                                  |
|          | Java          | No                                                                                                                     |
|          |               | - Wireless charging (Qi/PMA) - market dependent<br>- ANT+ support<br>- S-Voice natural language commands and dictation |

|         |               |                                                                                                                                                                                                                                                                                                               |
|---------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |               | <ul style="list-style-type: none"> <li>- Smart stay</li> <li>- OneDrive (115 GB cloud storage)</li> <li>- Active noise cancellation with dedicated mic</li> <li>- MP4/DivX/XviD/WMV/H.264 player</li> <li>- MP3/WAV/WMA/eAAC+/FLAC player</li> <li>- Photo/video editor</li> <li>- Document editor</li> </ul> |
| BATTERY |               | Non-removable Li-Ion 2550 mAh battery                                                                                                                                                                                                                                                                         |
|         | Stand-by      |                                                                                                                                                                                                                                                                                                               |
|         | Talk time     | Up to 17 h (3G)                                                                                                                                                                                                                                                                                               |
|         | Music play    | Up to 49 h                                                                                                                                                                                                                                                                                                    |
| MISC    | Colors        | White Pearl, Black Sapphire, Gold Platinum, Blue Topaz                                                                                                                                                                                                                                                        |
|         | SAR US        | 1.15 W/kg (head) 1.16 W/kg (body)                                                                                                                                                                                                                                                                             |
|         | SAR EU        | 0.38 W/kg (head) 0.50 W/kg (body)                                                                                                                                                                                                                                                                             |
|         | Price group   | <a href="#">9/10</a>                                                                                                                                                                                                                                                                                          |
| TESTS   | Performance   | Basemark OS II: 1663 / Basemark OS II 2.0: 1641<br>Basemark X: 22752                                                                                                                                                                                                                                          |
|         | Display       | Contrast ratio: Infinite (nominal), 4.124 (sunlight)                                                                                                                                                                                                                                                          |
|         | Camera        | Photo / Video                                                                                                                                                                                                                                                                                                 |
|         | Loudspeaker   | Voice 68dB / Noise 66dB / Ring 73dB                                                                                                                                                                                                                                                                           |
|         | Audio quality | Noise -95.6dB / Crosstalk -94.5dB                                                                                                                                                                                                                                                                             |
|         | Battery life  | <a href="#">Endurance rating 73h</a>                                                                                                                                                                                                                                                                          |