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| **NETWORK** | **Technology** | GSM / HSPA / LTE |
| **2G bands** | GSM 850 / 900 / 1800 / 1900 - SIM 1 & SIM 2 (dual-SIM model only) |
| **3G bands** | HSDPA 850 / 900 / 1700(AWS) / 1900 / 2100 |
| **4G bands** | LTE band 1(2100), 2(1900), 3(1800), 4(1700/2100), 5(850), 7(2600), 8(900), 17(700), 20(800), 28(700) |
| **Speed** | HSPA 42.2/5.76 Mbps, LTE-A (4CA) Cat16 1024/150 Mbps |
| **GPRS** | Yes |
| **EDGE** | Yes |

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| **LAUNCH** | **Announced** | 2017, March |
| **Status** | Available. Released 2017, April |

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| **BODY** | **Dimensions** | 148.9 x 68.1 x 8 mm (5.86 x 2.68 x 0.31 in) |
| **Weight** | 155 g (5.47 oz) |
| **Build** | Corning Gorilla Glass 5 back panel |
| **SIM** | Single SIM (Nano-SIM) |
|  | - Samsung Pay (Visa, MasterCard certified) - IP68 certified - dust/water proof over 1.5 meter and 30 minutes |

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| **DISPLAY** | **Type** | Super AMOLED capacitive touchscreen, 16M colors |
| **Size** | 5.8 inches (~83.6% screen-to-body ratio) |
| **Resolution** | 1440 x 2960 pixels (~570 ppi pixel density) |
| **Multitouch** | Yes |
| **Protection** | Corning Gorilla Glass 5 |
|  | - 3D Touch (home button only) - Always-on display - TouchWiz UI |

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| **PLATFORM** | **OS** | Android 7.0 (Nougat) |
| **Chipset** | Exynos 8895 Octa - EMEA Qualcomm MSM8998 Snapdragon 835 - US model |
| **CPU** | Octa-core (4x2.3 GHz & 4x1.7 GHz) - EMEA Octa-core (4x2.35 GHz Kryo & 4x1.9 GHz Kryo) - US model |
| **GPU** | Mali-G71 MP20 - EMEA Adreno 540 - US model |

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| **MEMORY** | **Card slot** | microSD, up to 256 GB (dedicated slot) - single-SIM model |
| **Internal** | 64 GB, 4 GB RAM |

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| **CAMERA** | **Primary** | 12 MP, f/1.7, 26mm, phase detection autofocus, OIS, LED flash, check quality |
| **Features** | 1/2.5" sensor size, 1.4 µm pixel size, geo-tagging, simultaneous 4K video and 9MP image recording, touch focus, face/smile detection, Auto HDR, panorama |
| **Video** | 2160p@30fps, 1080p@60fps, HDR, dual-video rec., check quality |
| **Secondary** | 8 MP, f/1.7, autofocus, 1440p@30fps, dual video call, Auto HDR |

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| **SOUND** | **Alert types** | Vibration; MP3, WAV ringtones |
| **Loudspeaker** | Yes |
| **3.5mm jack** | Yes |
|  | - 32-bit/384kHz audio - Active noise cancellation with dedicated mic |

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| **COMMS** | **WLAN** | Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot |
| **Bluetooth** | 5.0, A2DP, LE, aptX |
| **GPS** | Yes, with A-GPS, GLONASS, BDS, GALILEO |
| **NFC** | Yes |
| **Radio** | No |
| **USB** | 3.1, Type-C 1.0 reversible connector |

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| **FEATURES** | **Sensors** | Iris scanner, fingerprint (rear-mounted), accelerometer, gyro, proximity, compass, barometer, heart rate, SpO2 |
| **Messaging** | SMS(threaded view), MMS, Email, Push Mail, IM |
| **Browser** | HTML5 |
| **Java** | No |
|  | - Samsung DeX (desktop experience support) - Fast battery charging (Quick Charge 2.0) - Qi/PMA wireless charging (market dependent) - ANT+ support - S-Voice natural language commands and dictation - MP4/DivX/XviD/H.265 player - MP3/WAV/eAAC+/FLAC player - Photo/video editor - Document editor |

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| **BATTERY** |  | Non-removable Li-Ion 3000 mAh battery |
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| **MISC** | **Colors** | Midnight Black, Orchid Gray, Arctic Silver, Coral Blue, Maple Gold |
| **SAR EU** | 0.32 W/kg (head) 1.27 W/kg (body) |

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| **TESTS** | **Performance** | Basemark OS II: 3272 / Basemark OS II 2.0: 3376 Basemark X: 42370 |
| **Display** | Contrast ratio: Infinite (nominal), 4.768 (sunlight) |
| **Camera** | Photo / Video |
| **Loudspeaker** | Voice 68dB / Noise 69dB / Ring 70dB |
| **Audio quality** | Noise -92.5dB / Crosstalk -92.8dB |