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| **NETWORK** | **Technology** | GSM / HSPA / LTE |
| **2G bands** | GSM 850 / 900 / 1800 / 1900 |
| **3G bands** | HSDPA 850 / 900 / 1900 / 2100 |
| **4G bands** | LTE |
| **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, August |
| **Status** | Coming soon. Exp. release 2017, September |

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| **BODY** | **Dimensions** | 162.5 x 74.8 x 8.6 mm (6.40 x 2.94 x 0.34 in) |
| **Weight** | 195 g (6.88 oz) |
| **Build** | Corning Gorilla Glass 5 back panel |
| **SIM** | Single SIM (Nano-SIM) |
|  | - IP68 certified - dust/water proof over 1.5 meter and 30 minutes - Stylus - Samsung Pay (Visa, MasterCard certified) |

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| **DISPLAY** | **Type** | Super AMOLED capacitive touchscreen, 16M colors |
| **Size** | 6.3 inches (~83.2% screen-to-body ratio) |
| **Resolution** | 1440 x 2960 pixels (~521 ppi pixel density) |
| **Multitouch** | Yes |
| **Protection** | Corning Gorilla Glass 5 |
|  | - HDR10 compliant - 3D Touch (home button only) - Always-on display |

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| **PLATFORM** | **OS** | Android 7.1.1 (Nougat) |
| **Chipset** | Exynos 8895 Octa - EMEA Qualcomm MSM8998 Snapdragon 835 - USA & China |
| **CPU** | Octa-core (4x2.3 GHz & 4x1.7 GHz) - EMEA Octa-core (4x2.35 GHz Kryo & 4x1.9 GHz Kryo) - USA & China |
| **GPU** | Mali-G71 MP20 - EMEA Adreno 540 - USA & China |

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| **MEMORY** | **Card slot** | microSD, up to 256 GB (dedicated slot) - single-SIM model microSD, up to 256 GB (uses SIM 2 slot) - dual-SIM model |
| **Internal** | 64/128/256 GB, 6 GB RAM |

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| **CAMERA** | **Primary** | Dual 12 MP (26mm, f/1.7, PDAF & 52mm, f/2.4, AF), OIS, autofocus, 2x optical zoom, dual-LED (dual tone) flash, check quality |
| **Features** | 1/2.55" sensor size, 1.4 µm pixel size @ 26 mm 1/3.6" sensor size, 1.0 µm pixel size @ 52 mm Geo-tagging, simultaneous 4K video and 9MP image recording, touch focus, face/smile detection, Auto HDR, panorama |
| **Video** | 2160p@30fps, 1080p@60fps, 720p@240fps, HDR, dual-video rec., check quality |
| **Secondary** | 8 MP, f/1.7, autofocus, 1/3.6" sensor size, 1.22 µm pixel size, 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, EDR, LE |
| **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 Desktop Experience support - Fast battery charging (Quick Charge 2.0) - Qi/PMA wireless charging (market dependent) - ANT+ support - Bixby natural language commands and dictation - MP4/DivX/XviD/WMV/H.265 player - MP3/WAV/WMA/eAAC+/FLAC player - Photo/video editor - Document editor |

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| **BATTERY** |  | Non-removable Li-Ion 3300 mAh battery |
| **Talk time** | Up to 22 h (3G) |
| **Music play** | Up to 74 h |

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| **MISC** | **Colors** | Midnight Black, Maple Gold, Orchid Grey, Deep Sea Blue, Star Pink (Taiwan only) |
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| **TESTS** | **Camera** | Photo / Video |