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| **NETWORK** | **Technology** | GSM / HSPA / LTE |
| **2G bands** | GSM 850 / 900 / 1800 / 1900 - |
| **3G bands** | HSDPA 850 / 900 / 1700(AWS) / 1900 / 2100 |
| **4G bands** | LTE |
| **Speed** | HSPA 42.2/5.76 Mbps, LTE-A (6CA) Cat18 1200/200 Mbps |
| **GPRS** | Yes |
| **EDGE** | Yes |

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| **LAUNCH** | **Announced** | 2018, February |
| **Status** | Coming soon. Exp. release 2018, March |

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| **BODY** | **Dimensions** | 147.7 x 68.7 x 8.5 mm (5.81 x 2.70 x 0.33 in) |
| **Weight** | 163 g (5.75 oz) |
| **Build** | Front/back glass (Gorilla Glass 5), aluminum frame |
| **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, 84.8 cm2 (~83.6% screen-to-body ratio) |
| **Resolution** | 1440 x 2960 pixels, 18.5:9 ratio (~570 ppi 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 8.0 (Oreo) |
| **Chipset** | Exynos 9810 Octa - EMEA Qualcomm SDM845 Snapdragon 845 - USA & China |
| **CPU** | Octa-core (4x2.7 GHz Mongoose M3 & 4x1.8 GHz Cortex-A55) - EMEA Octa-core (4x2.7 GHz Kryo 385 Gold & 4x1.7 GHz Kryo 385 Silver) - USA & China |
| **GPU** | Mali-G72 MP18 - EMEA Adreno 630 - USA & China |

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| **MEMORY** | **Card slot** | microSD, up to 400 GB (uses SIM 2 slot) - dual SIM model only |
| **Internal** | 128 GB, 4 GB RAM |

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| **CAMERA** | **Primary** | 12 MP (f/1.5-2.4, 26mm, 1/2.5", 1.4 µm, Dual Pixel PDAF), phase detection autofocus, OIS, LED flash, check quality |
| **Features** | Geo-tagging, simultaneous 4K video and 9MP image recording, touch focus, face/smile detection, Auto HDR, panorama |
| **Video** | 2160p@60fps, 1080p@240fps, 720p@960fps, HDR, dual-video rec., check quality |
| **Secondary** | 8 MP (f/1.7, 25mm, 1/3.6", 1.22 µm), autofocus, 1440p@30fps, dual video call, Auto HDR |

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| **SOUND** | **Alert types** | Vibration; MP3, WAV ringtones |
| **Loudspeaker** | Yes, with stereo speakers |
| **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** | FM radio (USA & Canada only) - To be confirmed |
| **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 |
|  | - Samsung DeX (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/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 (11.55 Wh) |
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| **MISC** | **Colors** | Midnight Black, Coral Blue, Titanium Gray, Lilac Purple |
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| **TESTS** | **Performance** | Basemark OS II: 3329 / Basemark OS II 2.0: 3382 Basemark X: 42645 |
| **Display** | Contrast ratio: Infinite (nominal), 4.630 (sunlight) |
| **Camera** | Photo / Video |
| **Loudspeaker** | Voice 68dB / Noise 74dB / Ring 81dB |
| **Audio quality** | Noise -93.4dB / Crosstalk -93.9dB |