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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 / 1900 / 2100 |
| **4G bands** | LTE |
| **Speed** | HSPA 42.2/5.76 Mbps, LTE Cat9 450/50 Mbps |
| **GPRS** | Yes |
| **EDGE** | Yes |

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| **LAUNCH** | **Announced** | 2016, February |
| **Status** | Available. Released 2016, March |

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| **BODY** | **Dimensions** | 142.4 x 69.6 x 7.9 mm (5.61 x 2.74 x 0.31 in) |
| **Weight** | 152 g (5.36 oz) |
| **Build** | Corning Gorilla Glass 4 back panel |
| **SIM** | Single SIM (Nano-SIM) |
|  | - Samsung Pay (Visa, MasterCard certified) - IP68 certified - dust proof and water resistant over 1.5 meter and 30 minutes |

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| **DISPLAY** | **Type** | Super AMOLED capacitive touchscreen, 16M colors |
| **Size** | 5.1 inches (~72.1% screen-to-body ratio) |
| **Resolution** | 1440 x 2560 pixels (~577 ppi pixel density) |
| **Multitouch** | Yes |
| **Protection** | Corning Gorilla Glass 4 |
|  | - Always-on display - TouchWiz UI |

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| **PLATFORM** | **OS** | Android OS, v6.0 (Marshmallow) |
| **Chipset** | Qualcomm MSM8996 Snapdragon 820 Exynos 8890 Octa |
| **CPU** | Dual-core 2.15 GHz Kryo & dual-core 1.6 GHz Kryo Quad-core 2.3 GHz Mongoose + quad-core 1.6 GHz Cortex-A53 |
| **GPU** | Adreno 530 Mali-T880 MP12 |

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| **MEMORY** | **Card slot** | microSD, up to 200 GB (dedicated slot) - single-SIM model |
| **Internal** | 32GB, 4 GB RAM |

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| **CAMERA** | **Primary** | 12 MP, f/1.7, 26mm, phase detection autofocus, OIS, LED flash, check quality |
| **Features** | 1/2.6" 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, 720p@240fps, HDR, dual-video rec., check quality |
| **Secondary** | 5 MP, f/1.7, 22mm, dual video call, Auto HDR |

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| **SOUND** | **Alert types** | Vibration; MP3, WAV ringtones |
| **Loudspeaker** | Yes |
| **3.5mm jack** | Yes |

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| **COMMS** | **WLAN** | Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot |
| **Bluetooth** | v4.2, A2DP, LE, apt-X |
| **GPS** | Yes, with A-GPS, GLONASS, BDS |
| **NFC** | Yes |
| **Radio** | No |
| **USB** | microUSB v2.0, USB Host |

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| **FEATURES** | **Sensors** | Fingerprint, accelerometer, gyro, proximity, compass, barometer, heart rate, SpO2 |
| **Messaging** | SMS(threaded view), MMS, Email, Push Mail, IM |
| **Browser** | HTML5 |
| **Java** | No |
|  | - Fast battery charging: 60% in 30 min (Quick Charge 2.0) - Wireless charging (Qi/PMA) - market dependent - ANT+ support - S-Voice natural language commands and dictation - OneDrive (115 GB cloud storage) - Active noise cancellation with dedicated mic - MP4/DivX/XviD/WMV/H.264 player - MP3/WAV/WMA/eAAC+/FLAC player - Photo/video editor - Document editor |

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| **BATTERY** |  | Non-removable Li-Ion 3000 mAh battery |
| **Stand-by** |  |
| **Talk time** |  |

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| **MISC** | **Colors** | Black, White, Gold, Silver |
| **SAR US** | 1.40 W/kg (head) 1.59 W/kg (body) |
| **SAR EU** | 0.41 W/kg (head) 0.62 W/kg (body) |

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| **TESTS** | **Performance** | Basemark OS II: 2004 / Basemark OS II 2.0: 2128 Basemark X: 32345x |
| **Display** | Contrast ratio: Infinite (nominal), 4.376 (sunlight) |
| **Camera** | Photo / Video |
| **Loudspeaker** | Voice 66dB / Noise 62dB / Ring 66dB |
| **Audio quality** | Noise -92.5dB / Crosstalk -92.7dB |