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| **Network** | [Technology](https://www.gsmarena.com/network-bands.php3) | [GSM / HSPA / LTE](https://www.gsmarena.com/samsung_galaxy_note8-8505.php) |
| [2G bands](https://www.gsmarena.com/network-bands.php3) | GSM 850 / 900 / 1800 / 1900 - SIM 1 & SIM 2 (dual-SIM model only) |
| [3G bands](https://www.gsmarena.com/network-bands.php3) | HSDPA 850 / 900 / 1700(AWS) / 1900 / 2100 |
| [4G bands](https://www.gsmarena.com/network-bands.php3) | LTE band 1(2100), 2(1900), 3(1800), 4(1700/2100), 5(850), 7(2600), 8(900), 12(700), 13(700), 17(700), 18(800), 19(800), 20(800), 25(1900), 26(850), 28(700), 32(1500), 38(2600), 39(1900), 40(2300), 41(2500), 66(1700/2100) |
| [Speed](https://www.gsmarena.com/glossary.php3?term=3g) | HSPA 42.2/5.76 Mbps, LTE-A (4CA) Cat16 1024/150 Mbps |
| [GPRS](https://www.gsmarena.com/glossary.php3?term=gprs) | Yes |
| [EDGE](https://www.gsmarena.com/glossary.php3?term=edge) | Yes |

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| **Launch** | [Announced](https://www.gsmarena.com/samsung_galaxy_note8-8505.php) | 2017, August |
| [Status](https://www.gsmarena.com/samsung_galaxy_note8-8505.php) | Available. Released 2017, September |

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| **Body** | [Dimensions](https://www.gsmarena.com/samsung_galaxy_note8-8505.php) | 162.5 x 74.8 x 8.6 mm (6.40 x 2.94 x 0.34 in) |
| [Weight](https://www.gsmarena.com/samsung_galaxy_note8-8505.php) | 195 g (6.88 oz) |
| [Build](https://www.gsmarena.com/glossary.php3?term=build) | Front/back glass (Gorilla Glass 5), aluminum frame |
| [SIM](https://www.gsmarena.com/glossary.php3?term=sim) | Single SIM (Nano-SIM) or Hybrid Dual SIM (Nano-SIM, dual stand-by) |
|  | - IP68 certified - dust/water proof over 1.5 meter and 30 minutes - Stylus - Samsung Pay (Visa, MasterCard certified) |

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| **Display** | [Type](https://www.gsmarena.com/glossary.php3?term=display-type) | Super AMOLED capacitive touchscreen, 16M colors |
| [Size](https://www.gsmarena.com/samsung_galaxy_note8-8505.php) | 6.3 inches, 101.1 cm2 (~83.2% screen-to-body ratio) |
| [Resolution](https://www.gsmarena.com/glossary.php3?term=resolution) | 1440 x 2960 pixels, 18.5:9 ratio (~521 ppi density) |
| [Multitouch](https://www.gsmarena.com/glossary.php3?term=multitouch) | Yes |
| [Protection](https://www.gsmarena.com/glossary.php3?term=screen-protection) | Corning Gorilla Glass 5 |
|  | - HDR10 compliant - 3D Touch (home button only) - Always-on display |

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| **Platform** | [OS](https://www.gsmarena.com/glossary.php3?term=os) | Android 7.1.1 (Nougat) |
| [Chipset](https://www.gsmarena.com/glossary.php3?term=chipset) | Exynos 8895 Octa - EMEA Qualcomm MSM8998 Snapdragon 835 - USA & China |
| [CPU](https://www.gsmarena.com/glossary.php3?term=cpu) | Octa-core (4x2.3 GHz & 4x1.7 GHz) - EMEA Octa-core (4x2.35 GHz Kryo & 4x1.9 GHz Kryo) - USA & China |
| [GPU](https://www.gsmarena.com/glossary.php3?term=gpu) | Mali-G71 MP20 - EMEA Adreno 540 - USA & China |

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| **Memory** | [Card slot](https://www.gsmarena.com/glossary.php3?term=memory-card-slot) | microSD, up to 256 GB (uses SIM 2 slot) - dual SIM model only |
| [Internal](https://www.gsmarena.com/glossary.php3?term=dynamic-memory) | 64/128/256 GB, 6 GB RAM |

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| **Camera** | [Primary](https://www.gsmarena.com/glossary.php3?term=camera) | Dual: 12 MP (f/1.7, 26mm, 1/2.55", 1.4 µm, Dual Pixel PDAF) + 12MP (f/2.4, 52mm, 1/3.6", 1 µm, AF), OIS, phase detection autofocus, 2x optical zoom, LED flash, [check quality](https://www.gsmarena.com/piccmp.php3?idType=1&idPhone1=8505&nSuggest=1) |
| [Features](https://www.gsmarena.com/glossary.php3?term=camera) | Geo-tagging, simultaneous 4K video and 9MP image recording, touch focus, face/smile detection, Auto HDR, panorama |
| [Video](https://www.gsmarena.com/glossary.php3?term=camera) | 2160p@30fps, 1080p@60fps, 720p@240fps, HDR, dual-video rec., [check quality](https://www.gsmarena.com/vidcmp.php3?idType=3&idPhone1=8505&nSuggest=1) |
| [Secondary](https://www.gsmarena.com/glossary.php3?term=video-call) | 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](https://www.gsmarena.com/glossary.php3?term=call-alerts) | Vibration; MP3, WAV ringtones |
| [Loudspeaker](https://www.gsmarena.com/glossary.php3?term=loudspeaker) | Yes |
| [3.5mm jack](https://www.gsmarena.com/glossary.php3?term=audio-jack) | Yes |
|  | - 32-bit/384kHz audio - Active noise cancellation with dedicated mic |

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| **Comms** | [WLAN](https://www.gsmarena.com/glossary.php3?term=wi-fi) | Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot |
| [Bluetooth](https://www.gsmarena.com/glossary.php3?term=bluetooth) | 5.0, A2DP, LE, aptX |
| [GPS](https://www.gsmarena.com/glossary.php3?term=gps) | Yes, with A-GPS, GLONASS, BDS, GALILEO |
| [NFC](https://www.gsmarena.com/glossary.php3?term=nfc) | Yes |
| [Radio](https://www.gsmarena.com/glossary.php3?term=fm-radio) | No |
| [USB](https://www.gsmarena.com/glossary.php3?term=usb) | 3.1, Type-C 1.0 reversible connector |

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| **Features** | [Sensors](https://www.gsmarena.com/glossary.php3?term=sensors) | Iris scanner, fingerprint (rear-mounted), accelerometer, gyro, proximity, compass, barometer, heart rate, SpO2 |
| [Messaging](https://www.gsmarena.com/glossary.php3?term=messaging) | SMS(threaded view), MMS, Email, Push Mail, IM |
| [Browser](https://www.gsmarena.com/glossary.php3?term=browser) | HTML5 |
| [Java](https://www.gsmarena.com/glossary.php3?term=java) | No |
|  | - 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 3300 mAh battery |
| [Talk time](https://www.gsmarena.com/glossary.php3?term=talk-time) | Up to 22 h (3G) |
| [Music play](https://www.gsmarena.com/glossary.php3?term=music-playback-time) | Up to 74 h |

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| **Misc** | [Colors](https://www.gsmarena.com/samsung_galaxy_note8-8505.php) | Midnight Black, Maple Gold, Orchid Gray, Deep Sea Blue, Star Pink (Taiwan only) |
| [Price](https://www.gsmarena.com/samsung_galaxy_note8-8505.php) | About 1000 EUR |

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| **Tests** | [Performance](https://www.gsmarena.com/glossary.php3?term=benchmarking) | [Basemark OS II: 3374 / Basemark OS II 2.0: 3333 Basemark X: 40890](https://www.gsmarena.com/benchmark-test.php3?idPhone=8505#show) |
| [Display](https://www.gsmarena.com/gsmarena_lab_tests-review-751p2.php) | [Contrast ratio: Infinite (nominal), 4.148(sunlight)](https://www.gsmarena.com/samsung_galaxy_note8-review-1659p3.php) |
| [Camera](https://www.gsmarena.com/gsmarena_lab_tests-review-751p5.php) | [Photo](https://www.gsmarena.com/piccmp.php3?idType=1&idPhone1=8505&nSuggest=1) / [Video](https://www.gsmarena.com/vidcmp.php3?idType=3&idPhone1=8505&nSuggest=1) |
| [Loudspeaker](https://www.gsmarena.com/gsmarena_lab_tests-review-751p3.php) | [Voice 67dB / Noise 69dB / Ring 71dB](https://www.gsmarena.com/samsung_galaxy_note8-review-1659p9.php#lt) |
| [Audio quality](https://www.gsmarena.com/gsmarena_lab_tests-review-751p4.php) | [Noise -92.5dB / Crosstalk -93.2dB](https://www.gsmarena.com/samsung_galaxy_note8-review-1659p10.php#aq) |
| [Battery life](https://www.gsmarena.com/gsmarena_lab_tests-review-751p6.php) | [Endurance rating 89h](https://www.gsmarena.com/samsung_galaxy_note8-8505.php) |

**Price:** $979.99