|  |  |  |
| --- | --- | --- |
| **NETWORK** | [**Technology**](https://www.gsmarena.com/network-bands.php3) | [GSM / CDMA / HSPA / EVDO / LTE](https://www.gsmarena.com/samsung_galaxy_note9-9163.php) |
|  |  |

|  |  |  |
| --- | --- | --- |
| **LAUNCH** | [**Announced**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | 2018, August 09 |
| [**Status**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | Available. Released 2018, August 24 |

|  |  |  |
| --- | --- | --- |
| **BODY** | [**Dimensions**](https://www.gsmarena.com/samsung_galaxy_note9-9163.php) | 161.9 x 76.4 x 8.8 mm (6.37 x 3.01 x 0.35 in) |
| [**Weight**](https://www.gsmarena.com/samsung_galaxy_note9-9163.php) | 201 g (7.09 oz) |
| [**Build**](https://www.gsmarena.com/glossary.php3?term=build) | Glass front (Gorilla Glass 5), glass back (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 dust/water resistant (up to 1.5m for 30 mins) Stylus (Bluetooth integration) |

|  |  |  |
| --- | --- | --- |
| **DISPLAY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=display-type) | Super AMOLED, HDR10 |
| [**Size**](https://www.gsmarena.com/samsung_galaxy_note9-9163.php) | 6.4 inches, 103.2 cm2 (~83.4% screen-to-body ratio) |
| [**Resolution**](https://www.gsmarena.com/glossary.php3?term=resolution) | 1440 x 2960 pixels, 18.5:9 ratio (~516 ppi density) |
| [**Protection**](https://www.gsmarena.com/glossary.php3?term=screen-protection) | Corning Gorilla Glass 5 |
|  | Always-on display |

|  |  |  |
| --- | --- | --- |
| **PLATFORM** | [**OS**](https://www.gsmarena.com/glossary.php3?term=os) | Android 8.1 (Oreo), upgradable to Android 10, One UI 2.5 |
| [**Chipset**](https://www.gsmarena.com/glossary.php3?term=chipset) | Exynos 9810 (10 nm) - EMEA Qualcomm SDM845 Snapdragon 845 (10 nm) - USA/LATAM, China |
| [**CPU**](https://www.gsmarena.com/glossary.php3?term=cpu) | Octa-core (4x2.7 GHz Mongoose M3 & 4x1.8 GHz Cortex-A55) - EMEA Octa-core (4x2.8 GHz Kryo 385 Gold & 4x1.7 GHz Kryo 385 Silver) - USA/LATAM, China |
| [**GPU**](https://www.gsmarena.com/glossary.php3?term=gpu) | Mali-G72 MP18 - EMEA Adreno 630 - USA/LATAM, China |

|  |  |  |
| --- | --- | --- |
| **MEMORY** | [**Card slot**](https://www.gsmarena.com/glossary.php3?term=memory-card-slot) | microSDXC (uses shared SIM slot) |
| [**Internal**](https://www.gsmarena.com/glossary.php3?term=dynamic-memory) | 128GB 6GB RAM, 128GB 8GB RAM, 512GB 8GB RAM |
|  | UFS 2.1 |

|  |  |  |
| --- | --- | --- |
| **MAIN CAMERA** | [**Dual**](https://www.gsmarena.com/glossary.php3?term=camera) | 12 MP, f/1.5-2.4, 26mm (wide), 1/2.55", 1.4µm, dual pixel PDAF, OIS 12 MP, f/2.4, 52mm (telephoto), 1/3.4", 1.0µm, AF, OIS, 2x optical zoom |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=camera) | LED flash, auto-HDR, panorama |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=camera) | 4K@60fps (no OIS/EIS), 4K@30fps, 1080p@30/60/240fps, 720p@960fps, HDR, stereo sound rec., gyro-EIS & OIS |

|  |  |  |
| --- | --- | --- |
| **SELFIE CAMERA** | [**Dual**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 8 MP, f/1.7, 25mm (wide), 1/3.6", 1.22µm, AF 2 MP (dedicated iris scanner camera) |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | Dual video call, Auto-HDR |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 1440p@30fps |

|  |  |  |
| --- | --- | --- |
| **SOUND** | [**Loudspeaker**](https://www.gsmarena.com/glossary.php3?term=loudspeaker) | Yes, with stereo speakers |
| [**3.5mm jack**](https://www.gsmarena.com/glossary.php3?term=audio-jack) | Yes |
|  | 32-bit/384kHz audio |

|  |  |  |
| --- | --- | --- |
| **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) | USB Type-C 3.1 |

|  |  |  |
| --- | --- | --- |
| **FEATURES** | [**Sensors**](https://www.gsmarena.com/glossary.php3?term=sensors) | Iris scanner, fingerprint (rear-mounted), accelerometer, gyro, proximity, compass, barometer, heart rate, SpO2 |
|  | Samsung DeX (desktop experience support) ANT+ Bixby natural language commands and dictation Samsung Pay (Visa, MasterCard certified) |

|  |  |  |
| --- | --- | --- |
| **BATTERY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=rechargeable-battery-types) | Li-Ion 4000 mAh, non-removable |
| [**Charging**](https://www.gsmarena.com/glossary.php3?term=battery-charging) | Fast charging 15W Qi/PMA wireless charging - market dependent |

|  |  |  |
| --- | --- | --- |
| **MISC** | [**Colors**](https://www.gsmarena.com/glossary.php3?term=build) | Metallic Copper, Lavender Purple, Ocean Blue, Midnight Black, Pure White, Alpine White |
| [**Models**](https://www.gsmarena.com/glossary.php3?term=models) | SM-N960F, SM-N9600, SM-N960F, SM-N960U, SM-N960U1, SM-N960N, SM-N960W, SM-N960X, SCV40 |
| [**SAR**](https://www.gsmarena.com/glossary.php3?term=sar) | 1.29 W/kg (head)     1.03 W/kg (body) |
| [**SAR EU**](https://www.gsmarena.com/glossary.php3?term=sar) | 0.38 W/kg (head)     1.51 W/kg (body) |
| [**Price**](https://www.gsmarena.com/glossary.php3?term=price) | [$ 251.55 / € 375.00 / £ 388.90 / C$ 749.99](https://www.gsmarena.com/samsung_galaxy_note9-price-9163.php) |

|  |  |  |
| --- | --- | --- |
| **TESTS** | [**Performance**](https://www.gsmarena.com/glossary.php3?term=benchmarking) | AnTuTu: 248823 (v7), 315447 (v8) GeekBench: 9026 (v4.4), 2092 (v5.1) GFXBench: 15fps (ES 3.1 onscreen) |
| [**Display**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p2.php) | [Contrast ratio: Infinite (nominal), 4.531 (sunlight)](https://www.gsmarena.com/samsung_galaxy_note9-review-1805p3.php) |
| [**Camera**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p5.php) | [Photo](https://www.gsmarena.com/piccmp.php3?idType=1&idPhone1=9163&nSuggest=1) / [Video](https://www.gsmarena.com/vidcmp.php3?idType=3&idPhone1=9163&nSuggest=1) |
| [**Loudspeaker**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p7.php) | [Voice 71dB / Noise 74dB / Ring 80dB](https://www.gsmarena.com/samsung_galaxy_note9-review-1805p3.php#ls) |
| [**Audio quality**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p4.php) | [Noise -93.7dB / Crosstalk -94.1dB](https://www.gsmarena.com/samsung_galaxy_note9-review-1805p3.php#bl) |
| [**Battery life**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p6.php) | [Endurance rating 97h](https://www.gsmarena.com/samsung_galaxy_note9-9163.php) |
|  |  |  |

**Disclaimer.** We can not guarantee that the information on this page is 100% correct. [Read more](https://www.gsmarena.com/glossary.php3?term=data-disclaimer)