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| **NETWORK** | [**Technology**](https://www.gsmarena.com/network-bands.php3) | [GSM / HSPA / LTE](https://www.gsmarena.com/samsung_galaxy_a31-10149.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 / 1900 / 2100 - SM-A315F |
|  | HSDPA 850 / 900 / 1700(AWS) / 1900 / 2100 - SM-A315G |
| [**4G bands**](https://www.gsmarena.com/network-bands.php3) | 1, 2, 3, 5, 7, 8, 20, 38, 40, 41 - SM-A315F |
|  | 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 20, 28, 38, 40, 41, 66 - SM-A315G |
| [**Speed**](https://www.gsmarena.com/glossary.php3?term=3g) | HSPA 42.2/5.76 Mbps, LTE-A |

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| **LAUNCH** | [**Announced**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | 2020, March 24 |
| [**Status**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | Available. Released 2020, April 27 |

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| **BODY** | [**Dimensions**](https://www.gsmarena.com/samsung_galaxy_a31-10149.php) | 159.3 x 73.1 x 8.6 mm (6.27 x 2.88 x 0.34 in) |
| [**Weight**](https://www.gsmarena.com/samsung_galaxy_a31-10149.php) | 185 g (6.53 oz) |
| [**SIM**](https://www.gsmarena.com/glossary.php3?term=sim) | Single SIM (Nano-SIM) or Dual SIM (Nano-SIM, dual stand-by) |

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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_a31-10149.php) | 6.4 inches, 98.9 cm2 (~84.9% screen-to-body ratio) |
| [**Resolution**](https://www.gsmarena.com/glossary.php3?term=resolution) | 1080 x 2400 pixels, 20:9 ratio (~411 ppi density) |

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| **PLATFORM** | [**OS**](https://www.gsmarena.com/glossary.php3?term=os) | Android 10, One UI 2.0 |
| [**Chipset**](https://www.gsmarena.com/glossary.php3?term=chipset) | Mediatek MT6768 Helio P65 (12nm) |
| [**CPU**](https://www.gsmarena.com/glossary.php3?term=cpu) | Octa-core (2x2.0 GHz Cortex-A75 & 6x1.7 GHz Cortex-A55) |
| [**GPU**](https://www.gsmarena.com/glossary.php3?term=gpu) | Mali-G52 MC2 |

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| **MEMORY** | [**Card slot**](https://www.gsmarena.com/glossary.php3?term=memory-card-slot) | microSDXC (dedicated slot) |
| [**Internal**](https://www.gsmarena.com/glossary.php3?term=dynamic-memory) | 64GB 4GB RAM, 128GB 4GB RAM, 128GB 6GB RAM |
|  | eMMC 5.1 |

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| **MAIN CAMERA** | [**Quad**](https://www.gsmarena.com/glossary.php3?term=camera) | 48 MP, f/2.0, 26mm (wide), 1/2.0", 0.8µm, PDAF8 MP, f/2.2, 123˚, (ultrawide), 1/4.0", 1.12µm5 MP, f/2.4, (macro)5 MP, f/2.4, (depth) |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=camera) | LED flash, panorama, HDR |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=camera) | 1080p@30fps |

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| **SELFIE CAMERA** | [**Single**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 20 MP, f/2.2, (wide) |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 1080p@30fps |

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| **SOUND** | [**Loudspeaker**](https://www.gsmarena.com/glossary.php3?term=loudspeaker) | Yes |
| [**3.5mm jack**](https://www.gsmarena.com/glossary.php3?term=audio-jack) | Yes |

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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 |
| [**GPS**](https://www.gsmarena.com/glossary.php3?term=gps) | Yes, with A-GPS, GLONASS, GALILEO, BDS |
| [**NFC**](https://www.gsmarena.com/glossary.php3?term=nfc) | Yes (market/region dependent) |
| [**Radio**](https://www.gsmarena.com/glossary.php3?term=fm-radio) | FM radio, RDS, recording |
| [**USB**](https://www.gsmarena.com/glossary.php3?term=usb) | 2.0, Type-C 1.0 reversible connector, USB On-The-Go |

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| **FEATURES** | [**Sensors**](https://www.gsmarena.com/glossary.php3?term=sensors) | Fingerprint (under display, optical), accelerometer, gyro, proximity, compass |
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| **BATTERY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=rechargeable-battery-types) | Li-Po 5000 mAh, non-removable |
| [**Charging**](https://www.gsmarena.com/glossary.php3?term=battery-charging) | Fast charging 15W |

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| **MISC** | [**Colors**](https://www.gsmarena.com/glossary.php3?term=build) | Prism Crush Black, Prism Crush Blue, Prism Crush Red, Prism Crush White |
| [**Models**](https://www.gsmarena.com/glossary.php3?term=models) | SM-A315F, SM-A315F/DS, SM-A315G/DS, SM-A315G |
| [**SAR EU**](https://www.gsmarena.com/glossary.php3?term=sar) | 0.49 W/kg (head)     1.68 W/kg (body)     |
| [**Price**](https://www.gsmarena.com/glossary.php3?term=price) | [$ 219.00 / € 248.66 / £ 188.90 / ₹ 20,990](https://www.gsmarena.com/samsung_galaxy_a31-price-10149.php) |

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| **TESTS** | [**Performance**](https://www.gsmarena.com/glossary.php3?term=benchmarking) | AnTuTu: 151815 (v8)GeekBench: 5096 (v4.4), 1216 (v5.1)GFXBench: 7fps (ES 3.1 onscreen) |
| [**Display**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p2.php) | [Contrast ratio: Infinite (nominal)](https://www.gsmarena.com/samsung_galaxy_a31-review-2130p3.php#dt) |
| [**Camera**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p5.php) | [Photo](https://www.gsmarena.com/piccmp.php3?idType=1&idPhone1=10149&nSuggest=1) / [Video](https://www.gsmarena.com/vidcmp.php3?idType=3&idPhone1=10149&nSuggest=1) |
| [**Loudspeaker**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p7.php) | [-30.9 LUFS (Below average)](https://www.gsmarena.com/samsung_galaxy_a31-review-2130p3.php#lt) |
| [**Battery life**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p6.php) | [Endurance rating 124h](https://www.gsmarena.com/samsung_galaxy_a31-10149.php) |
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