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| **NETWORK** | [**Technology**](https://www.gsmarena.com/network-bands.php3) | [GSM / HSPA / LTE](https://www.gsmarena.com/samsung_galaxy_a12-10604.php) |
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| **LAUNCH** | [**Announced**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | 2020, November 24 |
| [**Status**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | Available. Released 2020, December 21 |

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| **BODY** | [**Dimensions**](https://www.gsmarena.com/samsung_galaxy_a12-10604.php) | 164 x 75.8 x 8.9 mm (6.46 x 2.98 x 0.35 in) |
| [**Weight**](https://www.gsmarena.com/samsung_galaxy_a12-10604.php) | 205 g (7.23 oz) |
| [**Build**](https://www.gsmarena.com/glossary.php3?term=build) | Glass front, plastic back, plastic frame |
| [**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) | PLS LCD |
| [**Size**](https://www.gsmarena.com/samsung_galaxy_a12-10604.php) | 6.5 inches, 102.0 cm2 (~82.1% screen-to-body ratio) |
| [**Resolution**](https://www.gsmarena.com/glossary.php3?term=resolution) | 720 x 1600 pixels, 20:9 ratio (~270 ppi density) |

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| **PLATFORM** | [**OS**](https://www.gsmarena.com/glossary.php3?term=os) | Android 10, upgradable to Android 11, One UI 3.1 |
| [**Chipset**](https://www.gsmarena.com/glossary.php3?term=chipset) | Mediatek MT6765 Helio P35 (12nm) |
| [**CPU**](https://www.gsmarena.com/glossary.php3?term=cpu) | Octa-core (4x2.35 GHz Cortex-A53 & 4x1.8 GHz Cortex-A53) |
| [**GPU**](https://www.gsmarena.com/glossary.php3?term=gpu) | PowerVR GE8320 |

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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) | 32GB 2GB RAM, 32GB 3GB RAM, 64GB 4GB RAM, 128GB 3GB 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), AF 5 MP, f/2.2, 123˚ (ultrawide) 2 MP, f/2.4, (macro) 2 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) | 8 MP, f/2.2 |
| [**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 b/g/n, 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) | USB Type-C 2.0 |

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| **FEATURES** | [**Sensors**](https://www.gsmarena.com/glossary.php3?term=sensors) | Fingerprint (side-mounted), accelerometer |
|  | Virtual proximity sensing |

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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) | Black, White, Blue, Red |
| [**Models**](https://www.gsmarena.com/glossary.php3?term=models) | SM-A125F/DSN, SM-A125F/DS, SM-A125F, SM-A125M, SM-A125U, SM-A125U1, SM-A125N |
| [**SAR EU**](https://www.gsmarena.com/glossary.php3?term=sar) | 0.67 W/kg (head)     1.38 W/kg (body) |
| [**Price**](https://www.gsmarena.com/glossary.php3?term=price) | [$ 139.99 / € 163.15 / £ 118.40 / ₹ 11,490 / C$ 227.99 / Rp 2,299,000](https://www.gsmarena.com/samsung_galaxy_a12-price-10604.php) |

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| **TESTS** | [**Performance**](https://www.gsmarena.com/glossary.php3?term=benchmarking) | AnTuTu: 107189 (v8) GeekBench: 1034 (v5.1) GFXBench: 5fps (ES 3.1 onscreen) |
| [**Display**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p2.php) | [Contrast ratio: 1363:1 (nominal)](https://www.gsmarena.com/samsung_galaxy_a12-review-2229p3.php) |
| [**Camera**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p5.php) | [Photo](https://www.gsmarena.com/piccmp.php3?idType=1&idPhone1=10604&nSuggest=1) / [Video](https://www.gsmarena.com/vidcmp.php3?idType=3&idPhone1=10604&nSuggest=1) |
| [**Loudspeaker**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p7.php) | [-30.4 LUFS (Below average)](https://www.gsmarena.com/samsung_galaxy_a12-review-2229p3.php#lt) |
| [**Battery life**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p6.php) | [Endurance rating 123h](https://www.gsmarena.com/samsung_galaxy_a12-10604.php) |
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