**HUAWEI MATE 10 PRO**

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| **Network** | [Technology](https://www.gsmarena.com/network-bands.php3) | [GSM / HSPA / LTE](https://www.gsmarena.com/huawei_mate_10_pro-8854.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 800 / 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), 6(900), 7(2600), 8(900), 9(1800), 12(700), 17(700), 18(800), 19(800), 20(800), 26(850), 28(700), 32(1500), 34(2000), 38(2600), 39(1900), 40(2300) |
| [Speed](https://www.gsmarena.com/glossary.php3?term=3g) | HSPA 42.2/5.76 Mbps, LTE-A (3CA) Cat18 1200/150 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/huawei_mate_10_pro-8854.php) | 2017, October |
| [Status](https://www.gsmarena.com/huawei_mate_10_pro-8854.php) | Available. Released 2017, November |

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| **Body** | [Dimensions](https://www.gsmarena.com/huawei_mate_10_pro-8854.php) | 154.2 x 74.5 x 7.9 mm (6.07 x 2.93 x 0.31 in) |
| [Weight](https://www.gsmarena.com/huawei_mate_10_pro-8854.php) | 178 g (6.28 oz) |
| [Build](https://www.gsmarena.com/glossary.php3?term=build) | Front/back glass, aluminum frame |
| [SIM](https://www.gsmarena.com/glossary.php3?term=sim) | Single SIM (Nano-SIM) or Dual SIM (Nano-SIM, dual stand-by) |
|  | - IP67 certified - dust and water resistant - Water resistant up to 1 meter and 30 minutes |

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| **Display** | [Type](https://www.gsmarena.com/glossary.php3?term=display-type) | AMOLED capacitive touchscreen, 16M colors |
| [Size](https://www.gsmarena.com/huawei_mate_10_pro-8854.php) | 6.0 inches, 92.9 cm2 (~80.9% screen-to-body ratio) |
| [Resolution](https://www.gsmarena.com/glossary.php3?term=resolution) | 1080 x 2160 pixels, 18:9 ratio (~402 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 (unspecified version) |
|  | - HDR10 compliant - EMUI 8.0 |

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| **Platform** | [OS](https://www.gsmarena.com/glossary.php3?term=os) | Android 8.0 (Oreo) |
| [Chipset](https://www.gsmarena.com/glossary.php3?term=chipset) | Hisilicon Kirin 970 |
| [CPU](https://www.gsmarena.com/glossary.php3?term=cpu) | Octa-core (4x2.4 GHz Cortex-A73 & 4x1.8 GHz Cortex-A53) |
| [GPU](https://www.gsmarena.com/glossary.php3?term=gpu) | Mali-G72 MP12 |

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| **Memory** | [Card slot](https://www.gsmarena.com/glossary.php3?term=memory-card-slot) | No |
| [Internal](https://www.gsmarena.com/glossary.php3?term=dynamic-memory) | 128 GB, 6 GB RAM or 64 GB, 4 GB RAM |

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| **Camera** | [Primary](https://www.gsmarena.com/glossary.php3?term=camera) | Dual: 12 MP (f/1.6, 27mm, OIS) +20 MP (f/1.6, 27mm), 2x lossless zoom, Leica optics, phase detection & laser autofocus, dual-LED dual-tone flash, [check quality](https://www.gsmarena.com/piccmp.php3?idType=1&idPhone1=8854&nSuggest=1) |
| [Features](https://www.gsmarena.com/glossary.php3?term=camera) | Geo-tagging, touch focus, face/smile detection, panorama, HDR |
| [Video](https://www.gsmarena.com/glossary.php3?term=camera) | 2160p@30fps, 1080p@30/60fps, [check quality](https://www.gsmarena.com/vidcmp.php3?idType=3&idPhone1=8854&nSuggest=1) |
| [Secondary](https://www.gsmarena.com/glossary.php3?term=video-call) | 8 MP, f/2.0 |

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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, with stereo speakers |
| [3.5mm jack](https://www.gsmarena.com/glossary.php3?term=audio-jack) | No |
|  | - 32-bit/384kHz audio - Active noise cancellation with dedicated mic - Type-C to 3.5 mm headphone jack adapter |

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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, DLNA, Wi-Fi Direct, hotspot |
| [Bluetooth](https://www.gsmarena.com/glossary.php3?term=bluetooth) | 4.2, A2DP, aptX HD, LE |
| [GPS](https://www.gsmarena.com/glossary.php3?term=gps) | Yes, with A-GPS, GLONASS, BDS |
| [NFC](https://www.gsmarena.com/glossary.php3?term=nfc) | Yes |
| [Infrared port](https://www.gsmarena.com/glossary.php3?term=irda) | 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; USB Host |

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| **Features** | [Sensors](https://www.gsmarena.com/glossary.php3?term=sensors) | Fingerprint (rear-mounted), accelerometer, gyro, proximity, barometer, compass |
| [Messaging](https://www.gsmarena.com/glossary.php3?term=messaging) | SMS (threaded view), MMS, Email, Push Email |
| [Browser](https://www.gsmarena.com/glossary.php3?term=browser) | HTML5 |
| [Java](https://www.gsmarena.com/glossary.php3?term=java) | No |
|  | - Fast battery charging 4.5V/5A (58% in 30 min) - DivX/XviD/MP4/H.265/WMV player - MP3/eAAC+/WMA/WAV/FLAC player - Document editor - Photo/video editor |

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| **Battery** |  | Non-removable Li-Po 4000 mAh battery |
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| **Misc** | [Colors](https://www.gsmarena.com/huawei_mate_10_pro-8854.php) | Midnight Blue, Titanium Gray, Mocha Brown, Pink Gold |
| [Price](https://www.gsmarena.com/huawei_mate_10_pro-8854.php) | About 800 EUR |

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| **Tests** | [Performance](https://www.gsmarena.com/glossary.php3?term=benchmarking) | [Basemark OS II 2.0: 3425 / Basemark X: 40232](https://www.gsmarena.com/benchmark-test.php3?idPhone=8854#show) |
| [Display](https://www.gsmarena.com/gsmarena_lab_tests-review-751p2.php) | [Contrast ratio: Infinity (nominal), 4.096 (sunlight)](https://www.gsmarena.com/huawei_mate_10_pro-8854.php) |
| [Camera](https://www.gsmarena.com/gsmarena_lab_tests-review-751p5.php) | [Photo](https://www.gsmarena.com/piccmp.php3?idType=1&idPhone1=8854&nSuggest=1) / [Video](https://www.gsmarena.com/vidcmp.php3?idType=3&idPhone1=8854&nSuggest=1) |
| [Loudspeaker](https://www.gsmarena.com/gsmarena_lab_tests-review-751p3.php) | [Voice 70dB / Noise 73dB / Ring 84dB](https://www.gsmarena.com/huawei_mate_10_pro-8854.php) |
| [Audio quality](https://www.gsmarena.com/gsmarena_lab_tests-review-751p4.php) | [Noise -93.5dB / Crosstalk -93.4dB](https://www.gsmarena.com/huawei_mate_10_pro-8854.php) |
| [Battery life](https://www.gsmarena.com/gsmarena_lab_tests-review-751p6.php) | [Endurance rating 96h](https://www.gsmarena.com/huawei_mate_10_pro-8854.php) |
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