**SONY XPERIA X**

Also known as Sony Xperia X Dual F5122 with dual-SIM card slots

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| **Network** | [Technology](https://www.gsmarena.com/network-bands.php3) | [GSM / HSPA / LTE](https://www.gsmarena.com/sony_xperia_x-7948.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 - F5121, F5122 |
| [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), 17(700), 19(800), 20(800), 26(850), 28(700), 38(2600), 39(1900), 40(2300), 41(2500) - F5121, F5122 |
| [Speed](https://www.gsmarena.com/glossary.php3?term=3g) | HSPA 42.2/5.76 Mbps, LTE-A Cat6 300/50 Mbps |
| [GPRS](https://www.gsmarena.com/glossary.php3?term=gprs) | Up to 107 kbps |
| [EDGE](https://www.gsmarena.com/glossary.php3?term=edge) | Up to 296 kbps |

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| **Launch** | [Announced](https://www.gsmarena.com/sony_xperia_x-7948.php) | 2016, February |
| [Status](https://www.gsmarena.com/sony_xperia_x-7948.php) | Available. Released 2016, May |

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| **Body** | [Dimensions](https://www.gsmarena.com/sony_xperia_x-7948.php) | 143 x 69 x 7.7 mm (5.63 x 2.72 x 0.30 in) |
| [Weight](https://www.gsmarena.com/sony_xperia_x-7948.php) | 153 g (5.40 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 Hybrid Dual SIM (Nano-SIM, dual stand-by) |

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| **Display** | [Type](https://www.gsmarena.com/glossary.php3?term=display-type) | IPS LCD capacitive touchscreen, 16M colors |
| [Size](https://www.gsmarena.com/sony_xperia_x-7948.php) | 5.0 inches, 68.9 cm2 (~69.8% screen-to-body ratio) |
| [Resolution](https://www.gsmarena.com/glossary.php3?term=resolution) | 1080 x 1920 pixels, 16:9 ratio (~441 ppi density) |
| [Multitouch](https://www.gsmarena.com/glossary.php3?term=multitouch) | Yes, up to 10 fingers |
| [Protection](https://www.gsmarena.com/glossary.php3?term=screen-protection) | Scratch-resistant glass, oleophobic coating |
|  | - Triluminos display - X-Reality Engine |

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| **Platform** | [OS](https://www.gsmarena.com/glossary.php3?term=os) | Android 6.0.1 (Marshmallow), 7.1.1 (Nougat), planned upgrade to Android 8.0 (Oreo) |
| [Chipset](https://www.gsmarena.com/glossary.php3?term=chipset) | Qualcomm MSM8956 Snapdragon 650 |
| [CPU](https://www.gsmarena.com/glossary.php3?term=cpu) | Hexa-core (4x1.4 GHz Cortex-A53 & 2x1.8 GHz Cortex-A72) |
| [GPU](https://www.gsmarena.com/glossary.php3?term=gpu) | Adreno 510 |

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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) | 32 GB, 3 GB RAM - F5121 64 GB, 3 GB RAM - F5122 |

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| **Camera** | [Primary](https://www.gsmarena.com/glossary.php3?term=camera) | 23 MP (f/2.0, 24mm, 1/2.3"), phase detection autofocus, LED flash, [check quality](https://www.gsmarena.com/piccmp.php3?idType=1&idPhone1=7948&nSuggest=1) |
| [Features](https://www.gsmarena.com/glossary.php3?term=camera) | Geo-tagging, touch focus, face detection, HDR, panorama |
| [Video](https://www.gsmarena.com/glossary.php3?term=camera) | 1080p@30fps, 1080p@60fps, [check quality](https://www.gsmarena.com/vidcmp.php3?idType=3&idPhone1=7948&nSuggest=1) |
| [Secondary](https://www.gsmarena.com/glossary.php3?term=video-call) | 13 MP (f/2.0, 22mm, 1/3"), 1080p |

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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) | Yes |
|  | - 24-bit/192kHz 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, DLNA, hotspot |
| [Bluetooth](https://www.gsmarena.com/glossary.php3?term=bluetooth) | 4.2, A2DP, aptX, LE |
| [GPS](https://www.gsmarena.com/glossary.php3?term=gps) | Yes, with A-GPS, GLONASS |
| [NFC](https://www.gsmarena.com/glossary.php3?term=nfc) | Yes |
| [Radio](https://www.gsmarena.com/glossary.php3?term=fm-radio) | FM radio, RDS |
| [USB](https://www.gsmarena.com/glossary.php3?term=usb) | microUSB 2.0, USB Host |

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| **Features** | [Sensors](https://www.gsmarena.com/glossary.php3?term=sensors) | Fingerprint (side-mounted), accelerometer, gyro, proximity, barometer, compass |
| [Messaging](https://www.gsmarena.com/glossary.php3?term=messaging) | SMS (threaded view), MMS, Email, IM, 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 (Quick Charge 2.0) - Xvid/MP4/H.265 player - MP3/eAAC+/WAV/Flac player - Document viewer - Photo/video editor |

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| **Battery** |  | Non-removable Li-Ion 2620 mAh battery |
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| **Misc** | [Colors](https://www.gsmarena.com/sony_xperia_x-7948.php) | White, Graphite Black, Lime Gold, Rose Gold |
| [SAR](https://www.gsmarena.com/glossary.php3?term=sar) | 0.97 W/kg (head)     0.97 W/kg (body) |
| [SAR EU](https://www.gsmarena.com/glossary.php3?term=sar) | 0.72 W/kg (head)     1.23 W/kg (body) |
| [Price](https://www.gsmarena.com/sony_xperia_x-7948.php) | About 350 EUR |

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| **Tests** | [Performance](https://www.gsmarena.com/glossary.php3?term=benchmarking) | [Basemark OS II 2.0: 1714 / Basemark X: 15087](https://www.gsmarena.com/benchmark-test.php3?idPhone=7948#show) |
| [Display](https://www.gsmarena.com/gsmarena_lab_tests-review-751p2.php) | [Contrast ratio: 1219 (nominal), 2.989 (sunlight)](https://www.gsmarena.com/sony_xperia_x-review-1441p3.php) |
| [Camera](https://www.gsmarena.com/gsmarena_lab_tests-review-751p5.php) | [Photo](https://www.gsmarena.com/piccmp.php3?idType=1&idPhone1=7948&nSuggest=1) / [Video](https://www.gsmarena.com/vidcmp.php3?idType=3&idPhone1=7948&nSuggest=1) |
| [Loudspeaker](https://www.gsmarena.com/gsmarena_lab_tests-review-751p3.php) | [Voice 61dB / Noise 61dB / Ring 65dB](https://www.gsmarena.com/sony_xperia_x-review-1441p6.php) |
| [Audio quality](https://www.gsmarena.com/gsmarena_lab_tests-review-751p4.php) | [Noise -94.8dB / Crosstalk -93.4dB](https://www.gsmarena.com/sony_xperia_x-review-1441p6.php) |
| [Battery life](https://www.gsmarena.com/gsmarena_lab_tests-review-751p6.php) | [Endurance rating 67h](https://www.gsmarena.com/sony_xperia_x-7948.php) |
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