

## APPLE IPHONE X LONG-TERM REVIEW

## 🔍 PHONE FINDER

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APPLE	XIAOMI	ZTE	VIVO
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LG	ASUS	ENERGIZER	HP
HTC	OPPO	XOLO	YU
MOTOROLA	ONEPLUS	LAVA	VERYKOO
HUAWEI	MEIZU	MICROMAX	MAXWEST
MICROSOFT	BLACKBERRY	BLU	PLUM

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REVIEW

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## Apple iPhone 8 Plus



REVIEW

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		SEARCH	SEARCH	SEARCH
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		OnePlus 6	Samsung Galaxy S9	Apple iPhone 8 Plus
		REVIEW	REVIEW	REVIEW
		SPECIFICATIONS	SPECIFICATIONS	SPECIFICATIONS
		READ OPINIONS	READ OPINIONS	READ OPINIONS
		PICTURES	PICTURES	PICTURES
		360° VIEW	360° VIEW	360° VIEW
		ALL VERSIONS	ALL VERSIONS	ALL VERSIONS
NETWORK	Technology	GSM / CDMA / HSPA / LTE	GSM / CDMA / HSPA / EVDO / LTE	GSM / HSPA / LTE
	2G bands	GSM 850 / 900 / 1800 / 1900 - SIM 1 & SIM 2	GSM 850 / 900 / 1800 / 1900 - SIM 1 & SIM 2 (dual-SIM model only)	GSM 850 / 900 / 1800 / 1900
		CDMA 800 / 1900 & TD-SCDMA	CDMA 800 / 1900 - USA	
	3G Network	HSDPA 800 / 850 / 900 / 1700(AWS) / 1900 / 2100	HSDPA 850 / 900 / 1700(AWS) / 1900 / 2100 - Global, USA	HSDPA 850 / 900 / 1700(AWS) / 1900 / 2100
			CDMA2000 1xEV-DO - USA	
	4G Network	LTE band 1(2100), 2(1900), 3(1800), 4(1700/2100), 5(850), 7(2600), 8(900), 12(700), 17(700), 18(800), 19(800), 20(800), 25(1900), 26(850), 28(700), 29(700), 30(2300), 32(1500), 34(2000), 38(2600), 39(1900), 40(2300), 41(2500), 66(1700/2100), 71(600) - Europe, North America	LTE band 1(2100), 2(1900), 3(1800), 4(1700/2100), 5(850), 7(2600), 8(900), 12(700), 13(700), 17(700), 18(800), 19(800), 20(800), 25(1900), 26(850), 28(700), 32(1500), 38(2600), 39(1900), 40(2300), 41(2500), 66(1700/2100) - Global	LTE band 1(2100), 2(1900), 3(1800), 4(1700/2100), 5(850), 7(2600), 8(900), 12(700), 13(700), 17(700), 18(800), 19(800), 20(800), 25(1900), 26(850), 28(700), 29(700), 30(2300), 34(2000), 38(2600), 39(1900), 40(2300), 41(2500), 66(1700/2100)
		LTE band 1(2100), 2(1900), 3(1800), 4(1700/2100), 5(850), 7(2600), 8(900), 12(700), 17(700), 18(800), 19(800), 20(800), 25(1900), 26(850), 28(700), 29(700), 30(2300), 38(2600), 39(1900), 40(2300), 41(2500), 66(1700/2100) - India, Asia, China	LTE band 1(2100), 2(1900), 3(1800), 4(1700/2100), 5(850), 7(2600), 8(900), 12(700), 13(700), 14(700), 17(700), 18(800), 19(800), 20(800), 25(1900), 26(850), 28(700), 29(700), 30(2300), 38(2600), 39(1900), 40(2300), 41(2500), 46, 66(1700/2100), 71(600) - USA	
	Speed	HSPA 42.2/5.76 Mbps, LTE-A (4CA) Cat16 1024/150 Mbps	HSPA 42.2/5.76 Mbps, LTE-A (6CA) Cat18 1200/200 Mbps	HSPA 42.2/5.76 Mbps, LTE-A (3CA) Cat12 600/150 Mbps, EV-DO Rev.A 3.1 Mbps
	GPRS	Yes	Yes	Yes
	EDGE	Yes	Yes	Yes
LAUNCH	Announced	2018, May	2018, February	2017, September
	Status	Available. Released 2018, May	Available. Released 2018, March	Available. Released 2017, September
BODY	Dimensions	155.7 x 75.4 x 7.8 mm (6.13 x 2.97 x 0.31 in)	147.7 x 68.7 x 8.5 mm (5.81 x 2.70 x 0.33 in)	158.4 x 78.1 x 7.5 mm (6.24 x 3.07 x 0.30 in)
	Weight	177 g (6.24 oz)	163 g (5.75 oz)	202 g (7.13 oz)
	Build	Front/rear glass, aluminum frame	Front/back glass (Gorilla Glass 5), aluminum frame	Front/back glass, aluminum frame
	SIM	Dual SIM (Nano-SIM, dual stand-by)	Single SIM (Nano-SIM) or Hybrid Dual SIM (Nano-SIM, dual stand-by)	Nano-SIM

TIP US

883K

143K

87K

404K

RSS

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			1.5m for 30 mins)	certified)
DISPLAY	Type	Optic AMOLED capacitive touchscreen, 16M colors	Super AMOLED capacitive touchscreen, 16M colors	LED-backlit IPS LCD, capacitive touchscreen, 16M colors
	Size	6.28 inches, 98.4 cm <sup>2</sup> (~83.8% screen-to-body ratio)	5.8 inches, 84.8 cm <sup>2</sup> (~83.6% screen-to-body ratio)	5.5 inches, 83.4 cm <sup>2</sup> (~67.4% screen-to-body ratio)
	Resolution	1080 x 2280 pixels, 19:9 ratio (~402 ppi density)	1440 x 2960 pixels, 18.5:9 ratio (~570 ppi density)	1080 x 1920 pixels, 16:9 ratio (~401 ppi density)
	Multitouch	Yes	Yes	Yes
	Protection	Corning Gorilla Glass 5	Corning Gorilla Glass 5	Ion-strengthened glass, oleophobic coating
PLATFORM		- DCI-P3 - Oxygen OS	- HDR10 compliant - 3D Touch (home button only) - Always-on display	- Wide color gamut display - 3D Touch display & home button - True-tone display
	OS	Android 8.1 (Oreo)	Android 8.0 (Oreo)	iOS 11, upgradable to iOS 11.3
	Chipset	Qualcomm SDM845 Snapdragon 845	Exynos 9810 Octa - EMEA Qualcomm SDM845 Snapdragon 845 - USA/LATAM, China	Apple A11 Bionic
	CPU	Octa-core (4x2.8 GHz Kryo 385 Gold & 4x1.7 GHz Kryo 385 Silver)	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	Hexa-core (2x Monsoon + 4x Mistral)
MEMORY	GPU	Adreno 630	Mali-G72 MP18 - EMEA Adreno 630 - USA/LATAM, China	Apple GPU (three-core graphics)
	Card slot	No	microSD, up to 400 GB (uses SIM 2 slot) - dual SIM model only	No
	Internal	128/256 GB, 8 GB RAM or 64 GB, 6 GB RAM	64/128/256 GB, 4 GB RAM	64/256 GB, 3 GB RAM
CAMERA	Primary	Dual: 16 MP (f/1.7, 27mm, 1/2.6", 1.22µm, gyro-EIS, OIS) + 20 MP (f/1.7, 1/2.8", 1.0µm), phase detection autofocus, dual-LED flash, <a href="#">check quality</a> .	12 MP (f/1.5-2.4, 26mm, 1/2.5", 1.4µm, Dual Pixel PDAF), phase detection autofocus, OIS, LED flash, <a href="#">check quality</a> .	Dual: 12 MP (f/1.8, 28mm, OIS) + 12 MP (f/2.8, 57mm), phase detection autofocus, 2x optical zoom, quad-LED dual-tone flash, <a href="#">check quality</a> .
	Features	Geo-tagging, touch focus, face detection, HDR, panorama	Geo-tagging, simultaneous 4K video and 9MP image recording, touch focus, face/smile detection, Auto HDR, panorama	Geo-tagging, simultaneous 4K video and 8MP image recording, touch focus, face/smile detection, HDR (photo/panorama)
	Video	2160p@30/60fps, 1080p@30/60/240fps, 720p@480fps, <a href="#">check quality</a> .	2160p@60fps, 1080p@240fps, 720p@960fps, HDR, dual-video rec., <a href="#">check quality</a> .	2160p@24/30/60fps, 1080p@30/60/120/240fps, <a href="#">check quality</a> .
	Secondary	16 MP (f/2.0, 25mm, 1/3", 1.0µm), gyro-EIS, Auto HDR, 1080p	8 MP (f/1.7, 25mm, 1/3.6", 1.22µm), autofocus, 1440p@30fps, dual video call, Auto HDR	7 MP (f/2.2, 32mm), 1080p@30fps, 720p@240fps, face detection, HDR
SOUND	Alert types	Vibration; MP3, WAV ringtones	Vibration; MP3, WAV ringtones	Vibration, proprietary ringtones
	Loudspeaker	Yes	Yes, with stereo speakers	Yes, with stereo speakers
	3.5mm jack	Yes	Yes	No
		- Active noise cancellation with dedicated mic - Dirac HD sound	- 32-bit/384kHz audio - Active noise cancellation with dedicated mic	- Active noise cancellation with dedicated mic - Lightning to 3.5 mm headphone jack adapter
COMMS	WLAN	Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, DLNA, hotspot	Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot	Wi-Fi 802.11 a/b/g/n/ac, dual-band, hotspot
	Bluetooth	5.0, A2DP, LE, aptX HD	5.0, A2DP, LE, aptX	5.0, A2DP, LE
	GPS	Yes, with A-GPS, GLONASS, BDS, GALILEO	Yes, with A-GPS, GLONASS, BDS, GALILEO	Yes, with A-GPS, GLONASS, GALILEO, QZSS
	NFC	Yes	Yes	Yes
	Infrared port	No	No	No
	Radio	No	FM radio (USA & Canada only)	No
	USB	2.0, Type-C 1.0 reversible connector	3.1, Type-C 1.0 reversible connector	2.0, proprietary reversible connector
FEATURES	Sensors	Fingerprint (rear-mounted), accelerometer, gyro, proximity, compass	Iris scanner, fingerprint (rear-mounted), accelerometer, gyro, proximity, compass, barometer, heart rate, SpO2	Fingerprint (front-mounted), accelerometer, gyro, proximity, compass, barometer
	Messaging	SMS(threaded view), MMS, Email, IM, Push Email	SMS(threaded view), MMS, Email, Push Email, IM	iMessage, SMS(threaded view), MMS, Email, Push Email
	Browser	HTML5	HTML5	HTML5 (Safari)
	Java	No	No	No
		- Fast battery charging 5V 4A 20W (Dash Charge) - DivX/Xvid/MP4/H.265 player - MP3/eAAC+/WMA/WAV/FLAC player - Document viewer - Photo/video editor	- Samsung DeX (desktop experience support) - Fast battery charging (Quick Charge 2.0) - Qi/PMA wireless charging (market dependent) - ANT+ support - Bixby natural language commands and dictation - MP4/DivX/Xvid/H.265 player - MP3/WAV/eAAC+/FLAC player - Photo/video editor - Document editor	- Fast battery charging: 50% in 30 min - Qi wireless charging - Siri natural language commands and dictation - iCloud cloud service - MP3/WAV/AAX+/AIFF/Apple Lossless player - MP4/H.265 player - Audio/video/photo editor - Document editor
BATTERY		Non-removable Li-Po 3300 mAh battery	Non-removable Li-Ion 3000 mAh battery (11.55 Wh)	Non-removable Li-Ion 2691 mAh battery (10.28 Wh)
	Stand-by Talk time			883K 143K 87K 404K RSS LOG IN SIGN UP Up to 21 h (3G)

## TESTS

SAR			1.19 W/kg (head)	1.19 W/kg (body)
SAR EU			0.99 W/kg (head)	0.99 W/kg (body)
Price	About 520 EUR	About 840 EUR	About 810 EUR	
Performance	Basemark OS II: 5160 / Basemark OS II 2.0: 4440 Basemark X: 44229	Basemark OS II: 3329 / Basemark OS II 2.0: 3382 Basemark X: 42645	Basemark OS II 2.0: 3806	
Display	Contrast ratio: Infinite (nominal), 4.321 (sunlight)	Contrast ratio: Infinite (nominal), 4.630 (sunlight)	Contrast ratio: 1395:1 (nominal), 3.957 (sunlight)	
Camera	<a href="#">Compare PHOTO</a> / <a href="#">Compare VIDEO</a>			
Loudspeaker	Voice 70dB, noise 74dB, ring 70dB	Voice 68dB, noise 74dB, ring 81dB	Voice 76dB, noise 74dB, ring 79dB	
Audio quality	Noise -93.0dB / Crosstalk -93.0dB	Noise -93.4dB / Crosstalk -93.9dB	Noise -93.5dB / Crosstalk -80.2dB	
Battery life	76h endurance rating	78h endurance rating	81h endurance rating	