

General						
	iPhone Xs	iPhone Xs Max	iPhone Xr	iPhone X	iPhone 8	iPhone 8 Plus
Storage Space	64/256/512 GB	64/256/512 GB	64/128/256 GB	64/128/256 GB	64/256 GB	64/256 GB
Weight	6.24 ounces (177 grams)	7.34 ounces (208 grams)	6.84 ounces (194 grams)	6.34 ounces (174 grams)	5.22 ounces (148 grams)	7.13 ounces (202 grams)
Height	5.65 inches (143.6 mm)	6.20 inches (157.5 mm)	5.94 inches (150.9 mm)	5.65 inches (143.6 mm)	5.45 inches (138.4 mm)	6.24 inches (158.4 mm)
Width	2.79 inches (70.9 mm)	3.05 inches (77.4 mm)	2.98 inches (75.7 mm)	2.79 inches (70.9 mm)	2.65 inches (67.3 mm)	3.07 inches (78.1 mm)
Depth	0.30 inch (7.7 mm)	0.30 inch (7.7 mm)	0.33 inch (8.3 mm)	0.30 inch (7.7 mm)	0.29 inch (7.3 mm)	0.30 inch (7.5 mm)
Face ID	•	•	•	•	✗	✗
Wi-Fi	802.11ac Wi-Fi with 2x2 MIMO	802.11ac Wi-Fi with 2x2 MIMO	802.11ac Wi-Fi with 2x2 MIMO	802.11ac Wi-Fi with 2x2 MIMO	802.11ac Wi-Fi with MIMO	802.11ac Wi-Fi with MIMO
Bluetooth	5.0	5.0	5.0	5.0	5.0	5.0
Gigabit-class LTE	•	•	✗	✗	✗	✗
Touch ID	✗	✗	✗	✗	•	•
SIM Card	Dual SIM	Dual SIM	Micro	Micro	Micro	Micro
Colors	Gold, Space Gray, Silver	Gold, Space Gray, Silver	Product Red, Yellow, White, Coral, Black, Blue	Space Gray, Silver	Gold, Space Gray, Silver	Gold, Space Gray, Silver
Water-Resistance	IP68	IP68	IP67	IP67	IP67	IP67
Price	\$999 (64GB) \$1,149 (256GB) \$1,349 (512GB)	\$1,099 (64GB) \$1,249 (256GB) \$1,449 (512GB)	\$749 (64GB) \$799 (128GB) \$899 (256GB)	N/A	\$599 (64GB) \$749 (256GB)	\$699 (64GB) \$849 (256GB)

Display						
	iPhone Xs	iPhone Xs Max	iPhone Xr	iPhone X	iPhone 8	iPhone 8 Plus
Type	AMOLED	AMOLED	LCD	AMOLED	LCD	LCD
Resolution	2436 x 1125	2688 x 1242	1792 x 828	2436 x 1125	1334 x 750	1920 x 1080
Pixels per Inch (PPI)	458	458	326	458	326	401
HDR	HDR10	HDR10	✗	HDR10	✗	✗
Size	5.8"	6.5"	6.1"	5.8"	4.7"	5.5"
Contrast	1,000,000:1	1,000,000:1	1400:1	1,000,000:1	1400:1	1400:1
True Tone	•	•	•	•	•	•
Refresh Rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Wide Color Gamut	P3	P3	P3	P3	P3	P3
Brightness	625 cd/m ²	625 cd/m ²	625 cd/m ²	625 cd/m ²	625 cd/m ²	625 cd/m ²
3D Touch	•	•	✗	•	•	•

Performance						
	iPhone Xs	iPhone Xs Max	iPhone Xr	iPhone X	iPhone 8	iPhone 8 Plus
Chip	A12 Bionic	A12 Bionic	A12 Bionic	A11 Bionic	A11 Bionic	A11 Bionic
Chip Technology	7 nm	7 nm	7 nm	10 nm	10 nm	10 nm
Transistors	5 Trillion	5 Trillion	5 Trillion	4.3 Trillion	4.3 Trillion	4.3 Trillion
Performance Cores	2	2	2	2	2	2
High-Efficiency Cores	4	4	4	4	4	4
GPU Cores	3	3	3	3	3	3
Neural Engine Cores	8	8	8	2	2	2
Neural Engine Operations per Second	5 trillion	5 trillion	5 trillion	600 billion	600 billion	600 billion
Memory	4GB	4GB	3GB	3GB	2GB	3GB

Rear Camera						
	iPhone Xs	iPhone Xs Max	iPhone Xr	iPhone X	iPhone 8	iPhone 8 Plus
Resolution	12MP wide-angle and telephoto lens	12MP wide-angle and telephoto lens	12MP wide-angle lens	12MP wide-angle and telephoto lens	12MP wide-angle lens	12MP wide-angle and telephoto lens
Wide-angle	f/1.8 aperture	f/1.8 aperture	f/1.8 aperture	f/1.8 aperture	f/1.8 aperture	f/1.8 aperture
Telephoto	f/2.4 aperture	f/2.4 aperture	✗	f/2.4 aperture	✗	f/2.8 aperture
Optical Zoom	2x	2x	✗	2x	✗	2x
Portrait Mode	•	•	•	•	•	•
Portrait Mode with Advanced Bokeh	•	•	•	✗	✗	✗
HDR	•	•	•	•	•	•
Smart HDR	•	•	•	✗	✗	✗
4K Video Recording	24/30/60 fps	24/30/60 fps	24/30/60 fps	24/30/60 fps	24/30/60 fps	24/30/60 fps
Optical Image Stabilization	•	•	•	•	•	•
Slow-mo Video	1080p 120/240 fps	1080p 120/240 fps	1080p 120/240 fps	1080p 120/240 fps	1080p 120/240 fps	1080p 120/240 fps
Stereo Recording	•	•	•	✗	✗	✗

Front Camera						
	iPhone Xs	iPhone Xs Max	iPhone Xr	iPhone X	iPhone 8	iPhone 8 Plus
Type	TrueDepth	TrueDepth	TrueDepth	TrueDepth	FaceTime HD	FaceTime HD
Resolution	7MP	7MP	7MP	7MP	7MP	7MP
Aperture	f/2.2 aperture	f/2.2 aperture	f/2.2 aperture	f/2.2 aperture	f/2.2 aperture	f/2.2 aperture
Portrait Mode	•	•	•	•	✗	✗
Portrait Mode with Advanced Bokeh	•	•	•	✗	✗	✗
Animoji and Memoji	•	•	•	•	✗	✗
1080p Video Recording	30 or 60 fps	30 or 60 fps	30 or 60 fps	30 or 60 fps	•	•
Extended Dynamic Range	30 fps	30 fps	30 fps	✗	✗	✗
Cinematic Video Stabilization	720p and 1080p	720p and 1080p	720p and 1080p	✗	✗	✗

Battery						
	iPhone Xs	iPhone Xs Max	iPhone Xr	iPhone X	iPhone 8	iPhone 8 Plus
Capacity	TBD	TBD	TBD	2716 mAh	1821 mAh	2691 mAh
Talk Time	20 hours	25 hours	25 hours	21 hours	14 hours	21 hours
Internet Use	12 hours	13 hours	15 hours	12 hours	12 hours	13 hours
Video Playback	14 hours	15 hours	16 hours	13 hours	13 hours	14 hours
Audio Playback	60 hours	65 hours	65 hours	60 hours	40 hours	60 hours
Fast-charge	50% in 30 Minutes	50% in 30 Minutes	50% in 30 Minutes	50% in 30 Minutes	50% in 30 Minutes	50% in 30 Minutes
Wireless Charging	•	•	•	•	•	•