











<div>  <div> <div>Search</div> <div>          </div> </div> </div>				
DISPLAY	Type	AMOLED capacitive touchscreen, 16M colors	Super LCD5 capacitive touchscreen, 16M colors	Super AMOLED capacitive touchscreen, 16M colors
	Size	5.7 inches, 89.6 cm ² (~75.2% screen-to-body ratio)	5.7 inches, 90.3 cm ² (~69.7% screen-to-body ratio)	5.8 inches, 84.8 cm ² (~83.6% screen-to-body ratio)
	Resolution	1440 x 2560 pixels, 16:9 ratio (~515 ppi density)	1440 x 2560 pixels, 16:9 ratio (~513 ppi density)	1440 x 2960 pixels, 18.5:9 ratio (~570 ppi density)
	Multitouch	Yes	Yes	Yes
	Protection	Corning Gorilla Glass 4	Corning Gorilla Glass 5 (64 GB version) Sapphire crystal glass (128 GB version)	Corning Gorilla Glass 5
PLATFORM		- ClearBlack display	- Secondary display, 160 x 1040 pixels, 2.05 inches	- HDR10 compliant - 3D Touch (home button only) - Always-on display
	OS	Microsoft Windows 10	Android 7.0 (Nougat), planned upgrade to Android 8.0 (Oreo)	Android 7.0 (Nougat)
	Chipset	Qualcomm MSM8994 Snapdragon 810	Qualcomm MSM8996 Snapdragon 821	Exynos 8895 Octa - EMEA Qualcomm MSM8998 Snapdragon 835 - USA & China
	CPU	Octa-core (4x1.5 GHz Cortex-A53 & 4x2.0 GHz Cortex-A57)	Quad-core (2x2.15 GHz Kryo & 2x1.6 GHz Kryo)	Octa-core (4x2.3 GHz & 4x1.7 GHz) - EMEA Octa-core (4x2.35 GHz Kryo & 4x1.9 GHz Kryo) - USA & China
MEMORY	GPU	Adreno 430	Adreno 530	Mali-G71 MP20 - EMEA Adreno 540 - USA & China
	Card slot	microSD, up to 256 GB (dedicated slot)	microSD, up to 256 GB (uses SIM 2 slot)	microSD, up to 256 GB (uses SIM 2 slot) - dual SIM model only
CAMERA	Internal	32 GB, 3 GB RAM	64/128 GB, 4 GB RAM	64 GB, 4 GB RAM
	Primary	20 MP (f/1.9, 26mm, 1/2.4", 1.12 µm), Carl Zeiss optics, OIS, autofocus, triple-LED RGB flash	12 MP (f/1.8, 26mm, 1/2.3", 1.55 µm), OIS, phase detection & laser autofocus, dual-LED dual-tone flash, check quality	12 MP (f/1.7, 26mm, 1/2.5", 1.4 µm, Dual Pixel PDAF), phase detection autofocus, OIS, LED flash, check quality
	Features	Geo-tagging, face detection, panorama, HDR, PureView	Geo-tagging, touch focus, face detection, Auto-HDR, panorama	Geo-tagging, simultaneous 4K video and 9MP image recording, touch focus, face/smile detection, Auto HDR, panorama
	Video	2160p@30fps, stereo sound rec., 1080p@30/60fps (after SW update)	2160p@30fps (24-bit/192kHz audio), 720p@120fps, check quality	2160p@30fps, 1080p@60fps, 720p@240fps, HDR, dual-video rec., check quality
SOUND	Secondary	5 MP, f/2.4, 1080p	16 MP, 1080p, Auto-HDR	8 MP (f/1.7, 25mm, 1/3.6", 1.22 µm), autofocus, 1440p@30fps, dual video call, Auto HDR
	Alert types	Vibration; MP3, WAV ringtones	Vibration; MP3, WAV ringtones	Vibration; MP3, WAV ringtones
	Loudspeaker	Yes	Yes	Yes
	3.5mm jack	Yes	No	Yes
COMMS		- Active noise cancellation with dedicated mic	- 24-bit/192kHz audio - Active noise cancellation with dedicated mic	- 32-bit/384kHz audio - Active noise cancellation with dedicated mic
	WLAN	Wi-Fi 802.11 a/b/g/n/ac, dual-band, hotspot	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
	Bluetooth	4.1, A2DP	4.2, A2DP, LE	5.0, A2DP, LE, aptX
	GPS	Yes, with A-GPS, GLONASS, BDS	Yes, with A-GPS, GLONASS, BDS	Yes, with A-GPS, GLONASS, BDS, GALILEO
	NFC	Yes	Yes	Yes
	Infrared port	No	No	No
	Radio	FM radio	No	No
FEATURES	USB	3.1, Type-C 1.0 reversible connector	3.1, Type-C 1.0 reversible connector	3.1, Type-C 1.0 reversible connector
	Sensors	Iris scanner, accelerometer, gyro, proximity, compass, barometer, sensor core	Fingerprint (front-mounted), accelerometer, gyro, proximity, compass	Iris scanner, fingerprint (rear-mounted), accelerometer, gyro, proximity, compass, barometer, heart rate, SpO2
	Messaging	SMS (threaded view), MMS, Email, Push Email, IM	SMS(threaded view), MMS, Email, Push Mail, IM	SMS(threaded view), MMS, Email, Push Mail, IM
	Browser	HTML5	HTML5	HTML5
	Java	No	No	No
BATTERY		- Microsoft Continuum support - Qi wireless charging (market dependent) - Fast charging - MP3/WAV/eAAC+ player - MP4/H.265 player - OneDrive (15 GB cloud storage) - Document viewer - Video/photo editor	- Fast battery charging (Quick Charge 3.0) - MP4/H.264 player - MP3/eAAC+/WAV player - Photo/video editor - Document viewer	- 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
		Removable Li-Ion 3340 mAh battery	Non-removable Li-Ion 3000 mAh battery	Non-removable Li-Ion 3000 mAh battery

TIP US

880K 134K nt €87K or 323K

RSS LOG IN SIGN UP

<div> <div>gsmarena</div> <div>Search</div> <div> </div> </div>				
MISC	Colors	Black, White	Brilliant Black, Cosmetic Pink, Ice White, Sapphire Blue	Midnight Black, Orchid Gray, Arctic Silver, Coral Blue, Maple Gold, Rose Pink, Burgundy Red
	SAR			0.44 W/kg (head) 0.75 W/kg (body)
	SAR EU			0.32 W/kg (head) 1.27 W/kg (body)
	Price	About 350 EUR	About 500 EUR	About 540 EUR
TESTS	Performance	Basemark OS II 2.0: 1472 / Basemark X: 32178	Basemark OS II 2.0: 2222 / Basemark X: 35875	Basemark OS II: 3272 / Basemark OS II 2.0: 3376 Basemark X: 42370
	Display	Contrast ratio: Infinite (nominal), 3.837 (sunlight)	Contrast ratio: 1831 (nominal), 3.453 (sunlight)	Contrast ratio: Infinite (nominal), 4.768 (sunlight)
	Camera	Compare PHOTO / Compare VIDEO		
	Loudspeaker	Voice 74dB, noise 75dB, ring 84dB	Voice 61dB, noise 73dB, ring 86dB	Voice 66dB, noise 70dB, ring 72dB
	Audio quality	Noise -91.6dB / Crosstalk -89.3dB		Noise -92.5dB / Crosstalk -92.8dB
	Battery life	47h endurance rating	81h endurance rating	84h endurance rating