

## ASUS ZenFone 4 (ZE554KL)(ZE554KL-1A104WW)

ASUS ZenFone 4 (ZE554KL) - Smartphone - dual-SIM - 4G LTE - 64 GB - microSDXC slot - GSM - 5.5" - 1920 x 1080 pixels - Super IPS+ - RAM 4 GB - 12 MP (8 MP front camera) - Android - midnight black



ZenFone 4 is a 5.5-inch smartphone that evolves the ZenFone lineage with luxurious,crafted design and delivers an unparalleled mobile photography experience with a dual-lens camera system featuring the flagship Sony IMX362 image sensor,a large F1.8 aperture lens and a 120° wide-angle lens. The powerful and energy-efficient Qualcomm Snapdragon mobile platform provides performance for every scenario and a high-capacity lithium polymer battery coupled with ASUS BoostMaster fast-charging technology keeps ZenFone 4 going longer.

## Key Selling Points

See a bigger and brighter world  
Fit more scenery and friends in the shot  
Capture reality,fast and steady  
Efficiently powerful,effortlessly fast  
Charge faster,work and play longer  
Bright and smart-adaptive display  
Expansive stereo sound

## Product Features

See a bigger and brighter world

ZenFone 4 features an advanced dual-camera system that expands your creative options to take your mobile photography to new heights. Its 12MP main camera is equipped with the industry-leading Sony IMX362 image sensor with large 1.4µm pixels and a wide,F1.8 aperture lens to capture up to 5x brighter and clearer photos in low light. Its 120° wide-angle camera provides a 200% larger view than standard traditional smartphone cameras,letting you fit more scenery and people in the frame for dramatic landscape shots,better group photos,and a more convenient photography experience in confined indoor spaces. With instant switching between cameras,you can quickly achieve the perfect composition for your photo without missing the moment you want to capture. Camera performance is further improved by the Qualcomm Spectra 160 image signal processor (ISP),which ensures faster,smoother focusing and zooming,as well as photos with better color accuracy.

Fit more scenery and friends in the shot

The 120° wide-angle camera on ZenFone 4 has a 200% larger field of view than standard smartphone cameras,so you can fit more scenery and people in the frame for dramatic photos and videos that capture a true sense of place. When taking photos indoors,the wide-angle view makes it much easier to get the shot you want - especially in confined spaces where it may not be possible to take a few steps back to fit everyone and everything into the photo. The unique perspective of the wide-angle lens can also be used to stylistic effect,allowing you to exaggerate the sense of space in any setting to capture more dramatic scenes and stunning,expansive landscapes.

Capture reality,fast and steady

A dual pixel camera unit with 24 million focus detection sensors - two for each of its pixels - provides ultrafast 0.03 seconds phase-detection and subject-tracking auto-focus to ensure sharp and clear photos. Together with both optical and electronic image stabilization for blur-free photos and videos,a color correction sensor for true-to-life colors,and true 4K UHD video recording,the camera on ZenFone 4 goes above and beyond other smartphones.

Efficiently powerful,effortlessly fast

ZenFone 4 combines incredible performance,optimized power efficiency,and advanced connectivity with security and convenience features to deliver a mobile experience like no other. The Qualcomm Snapdragon mobile platform offers dramatically faster CPU and GPU performance for all of your apps and games. ZenFone 4 supports Category 12/13 4G LTE Advanced technology and 802.11ac dual-band Wi-Fi with MIMO for blazingly fast network connectivity in any situation. Built-in NFC enables convenient mobile payments with Android Pay,and a front-mounted fingerprint reader offers improved security and faster phone unlocking.

Charge faster,work and play longer

When creating ZenFone 4,ASUS engineers combined the fantastic energy-efficiency of the Qualcomm Snapdragon 660 and Snapdragon 630 mobile platforms with a high-capacity lithium polymer battery,resulting in a smartphone that delivers up to 23 days of 4G standby time. When it's time to recharge,ASUS BoostMaster technology provides 15W of power for incredibly fast charging. With ZenFone 4's supplied adapter,just a five-minute charge provides two hours of talk time or achieves a 50% charge in just 36 minutes and built-in safeguards protect against overcharging.

Bright and smart-adaptive display

With a bright 600-nit Super IPS+ display,ZenFone 4 makes photos,videos,and all your other content look as vibrant as real life,even when viewed outdoors in bright sunlight. ASUS Splendid technology lets users adjust the color temperature of the display based on environmental lighting for the most comfortable viewing experience.

Expansive stereo sound

ZenFone 4 is built with dual speakers and multiple audio technologies to provide the best sound for entertainment and phone calls. Its stereo speakers deliver expansive,low-distortion sounds,even at high volumes. Two noise-canceling microphones remove unwanted environmental sounds for the best call quality and clear sound when recording videos or live streaming. Hi-Res Audio certification enables 24-bit/192kHz - 4x CD quality - audio playback. DTS Headphone:X provides theater-quality 7.1-channel virtual surround sound over headphones.

## Main Specifications

Product Description	ASUS ZenFone 4 (ZE554KL) - midnight black - 4G HSPA+ - 64 GB - GSM - smartphone
Product Type	Smartphone 4G
Display	LCD display - 1920 x 1080 pixels - colour - 5.5"- Super IPS+ - Corning Gorilla Glass (scratch resistant glass),smudge-resistant oleophobic coating
Features	Front-facing camera,FM radio,stereo speakers,dual rear-facing camera
Processor	QUALCOMM Snapdragon 630 2.2 GHz (8-core) - 64-bit
Graphics Accelerator	Qualcomm ADRENO 508
Memory	64 GB - RAM 4 GB + microSDXC slot - up to 2 TB
Operating System	Android 7.0 Nougat with ASUS ZenUI 4.0
Rear Camera	12 Megapixel - Exmor RS IMX362 - f/1.8 - focus:automatic
Second Rear Camera	8 Megapixel - wide-angle lens
Front Camera	8 Megapixel f/2.0
Service Provider	Not specified
SIM Card Type	Nano SIM
SIM Card Slot Qty	Dual-SIM (SIM1 and SIM2/MicroSD slots)
Wireless Interface	NFC,Wi-Fi,Bluetooth
Messaging Services	SMS,MMS
Talk Time	Up to 1800 minutes
Standby Time	Up to 552 hours
Colour	Midnight black
Dimensions (WxDxH)	75.24 mm x 7.7 mm x 155.36 mm
Weight	165 g
SAR	1.48 W/kg (body) / 1.42 W/kg (head)

Extended Specification

General

Product Type	Smartphone
Form Factor	Touch
Integrated Components	Front-facing camera,FM radio,audio player,voice recorder,stereo speakers,navigation,dual rear-facing camera
Width	75.24 mm
Depth	7.7 mm
Height	155.36 mm
Weight	165 g
Body Colour	Midnight black
SAR Value	1.48 W/kg (body) / 1.42 W/kg (head)

Cellular

Technology	WCDMA (UMTS) / GSM
Mobile Broadband Generation	4G
Service Provider	Not specified
Operating System	Android 7.0 Nougat
User Interface	ASUS ZenUI 4.0
Navigation	GPS,A-GPS,GLONASS,BeiDou,Galileo

SIM Card Type	Nano SIM
SIM Card Slot Qty	Dual-SIM (SIM1 and SIM2/MicroSD slots)
SIM Card Configuration Details	Nano SIM + nano SIM/microSD
Input Device	Multi-touch,capacitive

#### Messaging &Internet

Messaging Services	SMS,MMS
Supported Social Networks and Blogs	Yes

#### Communications

Data Transmission	GPRS,EDGE,HSDPA,HSUPA,HSPA+,FDD-LTE,TDD-LTE,DC-HSPA+
2G Band	GSM 850/900/1800/1900
3G UMTS Band	Band 1,Band 2,Band 3,Band 5,Band 6,Band 8,Band 19
3G UMTS Frequency	2100,1900,1800,850,800,900,800
4G LTE Band	Band 1,Band 2,Band 3,Band 5,Band 7,Band 8,Band 18,Band 19,Band 20,Band 26,Band 28,Band 32,Band 38,Band 39,Band 40,Band 41
4G LTE Frequency	FDD 2100,FDD 1900 PCS,FDD 1800+,FDD 850,FDD 2600,FDD 900,FDD 800 lower,FDD 800 upper,FDD 800 DD,FDD 850+,FDD 700 APT,FDD 1500 L,TDD 2600,TDD 1900,TDD 2300,TDD 2500
Wireless Interface	NFC,IEEE 802.11a/b/g/n/ac,Bluetooth 5.0

#### Phone Features

Phone Functions	Speakerphone,voice control,call timer,conference call,flight mode,voice dialing,vibrating alert
Sensors	Accelerometer,ambient light sensor,proximity sensor,digital compass,gyro sensor,hall sensor,colour correction sensor
Additional Features	Wi-Fi Miracast,Dual noise reduction microphones,Google Drive Storage (100 GB) (free for 2 years),NXP Smart AMP technology,ASUS Noise Reduction technology,Nano Molding Technology (NMT)

#### Media Player

Sound Enhancements	DTS-HD Premium Sound,Hi-Res audio,DTS Headphone:X
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#### Processor

Type	QUALCOMM Snapdragon 630
Clock Speed	2.2 GHz
Processor Core Qty	8-core
64-bit Architecture	Yes

#### Graphics System

Graphics Accelerator	Qualcomm ADRENO 508
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#### Memory

RAM	4 GB - LPDDR4X SDRAM
Internal Memory Capacity	64 GB
Supported Flash Memory Cards	microSDXC - up to 2 TB

## Front Camera

Sensor Resolution	8 Megapixel
Lens Aperture	F/2.0
Special Effects	Collage
Camera Modes	Beauty mode,Auto mode,selfie panorama,GIF animation function,portrait mode,Smart beautification,Livestream beautification
Features	PixelMaster camera,ASUS SelfieMaster technology,9 filters

## Rear Camera

Sensor Resolution	12 Megapixel
Sensor Size	1/2.55"
Sensor Name	Sony Exmor RS IMX362 sensor
Optical Image Stabiliser	4 Stop OIS (Optical Image Stabilisation)
Lens Aperture	F/1.8
Lens Construction	6-element
Focus Adjustment	Automatic
Special Effects	HDR
Camera Modes	Panorama,Time-lapse mode,Pro mode,Beauty mode,Auto mode,super resolution mode,GIF animation function,portrait mode
Light Source	Dual LED flash
Video Resolutions	1920 x 1080 (1080p) at 30 fps,1920 x 1080 (1080p) at 60 fps,1280 x 720 (720p) at 30 fps,Slo-mo video 1920 x 1080 (1080p) at 120 fps,Slo-mo video 1280 x 720 (720p) at 240 fps,3840 x 2160 (4K) at 30 fps
Features	3-axis electronic image stabilisation,RAW image capture,Subject-Tracking Auto-Focus,PixelMaster 4.0 camera,4-axis optical image stabilisation,9 filters,Instant cameras switching,Dual Pixel Phase Detect Auto-Focus (PDAF)

## Second Rear Camera

Sensor Resolution	8 Megapixel
Lens Type	Wide-angle lens

## Display

Type	LCD display - colour
Technology	Super IPS+
Diagonal Size	5.5"
Display Resolution	1920 x 1080 pixels
Max Brightness	600 cd/m <sup>2</sup>
Protection	Corning Gorilla Glass (scratch resistant glass),smudge-resistant oleophobic coating
Features	Bluelight Filter for Eye Care,2.5D Glass,Splendid technology

## Connections

Connector Type	Headphones - mini-phone 3.5mm USB Type-C - 24 pin USB-C
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## Battery

Technology	Lithium polymer
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Capacity	3300 mAh
Fast Charging Technology	ASUS Boost Master
Talk Time	1800 minutes
Standby Time	552 hours
Run Time Details	Standby (4G): up to 552 hrs Talk (3G): up to 1800 min Playback (video): up to 16 hrs Continuous browsing (Wi-Fi): up to 18 hrs

Miscellaneous

Included Accessories                      Power adapter,SIM card removal tool,ASUS ZenEar with Mic,USB-C cable

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