



REPUBLIC OF GAMERS



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ROG Phone

Processor	2.96Ghz specially-binned Qualcomm® Snapdragon™ 845 Mobile Platform
Graphics	Qualcomm® Adreno™ 630
Display	6-inch Full HD+ (2160 by 1080) AMOLED display
Camera	Front : 8MP, F2.0 Main Rear : 12MP, F1.7 & Sony IMX363 sensor 2nd Rear : 120° wide-angle
Memory	Up to LPDDR4 8GB RAM
Storage	UFS2.1 128GB / 512GB
WLAN	WLAN 802.11a/b/g/n/ac 2.4 & 5GHz WLAN 802.11ad 60GHz (32 Antennas)
Battery	4000mAh

ROG PHONE GAME CHANGER



FREE FIRE
10 MINUTES 1 SURVIVOR



ROG Phone Case
RM199



Professional Dock
RM299



GameVice Controller
RM349



Mobile Desktop Dock
RM599



WiGig Display Dock
RM899



TwinView Dock
RM999



World-beating
2.96GHz speed-binned
Qualcomm® SD845



Innovative GameCool
vapor-chamber
cooling system



Ultrafast 90Hz display
with 1ms response time



AMOLED screen
with HDR visuals



Ultra-responsive
AirTriggers and
advanced haptics



Unique handling design
with side-mounted port

RM3499
(8/128GB)

RM3999
(8/512GB)

Bundle
worth
RM450



AeroActive
Cooler

ROG Phone
Case

DESIGN

ENGINEERED FOR BATTLE

Using a combination of tough, precision-crafted 2.5D- and 3D-curved Corning® Gorilla® Glass with diamond-cut highlights and copper detailing, the metal-framed, water-resistant ROG Phone combines battle-hardened construction with a supremely comfortable gaming grip for an unrivaled gaming experience. ROG Phone feel instantly good in your hand, ready and waiting for the call of duty.

2.5D
Front Corning®
Gorilla® Glass 6

2x
Better
drop-test survivability¹

3D
Rear Corning®
Gorilla® Glass

///
Bold
futuristic styling



AURA RGB

OUTSHINE THE COMPETITION

ROG Phone is the world's first phone with ASUS Aura RGB lighting, featuring an illuminated rear ROG logo that can display a whole rainbow of lighting schemes: static, breathing, strobing or color cycling. You can trigger lighting effects with phone events such as incoming calls, notifications and more, to give your ROG Phone a unique personality.



1. Based on manufacturer's drop test results from 1m.

PERFORMANCE

THE ULTRA-PERFORMER

ROG never compromises, especially when it comes to performance. ROG Phone takes mobile gaming performance to the next level, with each and every component optimized for a lag-free, responsive experience. Each octa-core Qualcomm® Snapdragon™ 845 Mobile Platform CPU is speed-binned and specially selected for maximum performance — including sustained clock speeds of up to an incredible 2.96GHz — and the Adreno™ 630 GPU is a gaming powerhouse, with graphics performance outstripping the previous generation by up to 30%. ROG Phone delivers consistent, smooth and stable frame rates with no lag, even during the toughest marathons. And since performance means nothing if your internet connection is slow, ROG Phone also packs ultrafast wireless connectivity in its inventory, including Cat 18 LTE and the latest 802.11ad gigabit-class Wi-Fi.

SDM 845

World's fastest 10nm octa-core Qualcomm® Snapdragon™ 845 Mobile Platform

2.96 GHz

World's fastest 10nm octa-core Qualcomm® Snapdragon™ 845 Mobile Platform

Adreno™ 630 GPU

30% Faster graphics²

30% Higher graphics power efficiency²

2.5x Faster display throughput²

Qualcomm
snapdragon



8 GB

Up to 8GB RAM

512 GB

Up to 512GB ROM

Cat 18

Up to 1.2Gbps Cat 18 LTE downloads

802.11ad

Up to 4.6Gbps Wi-Fi speeds

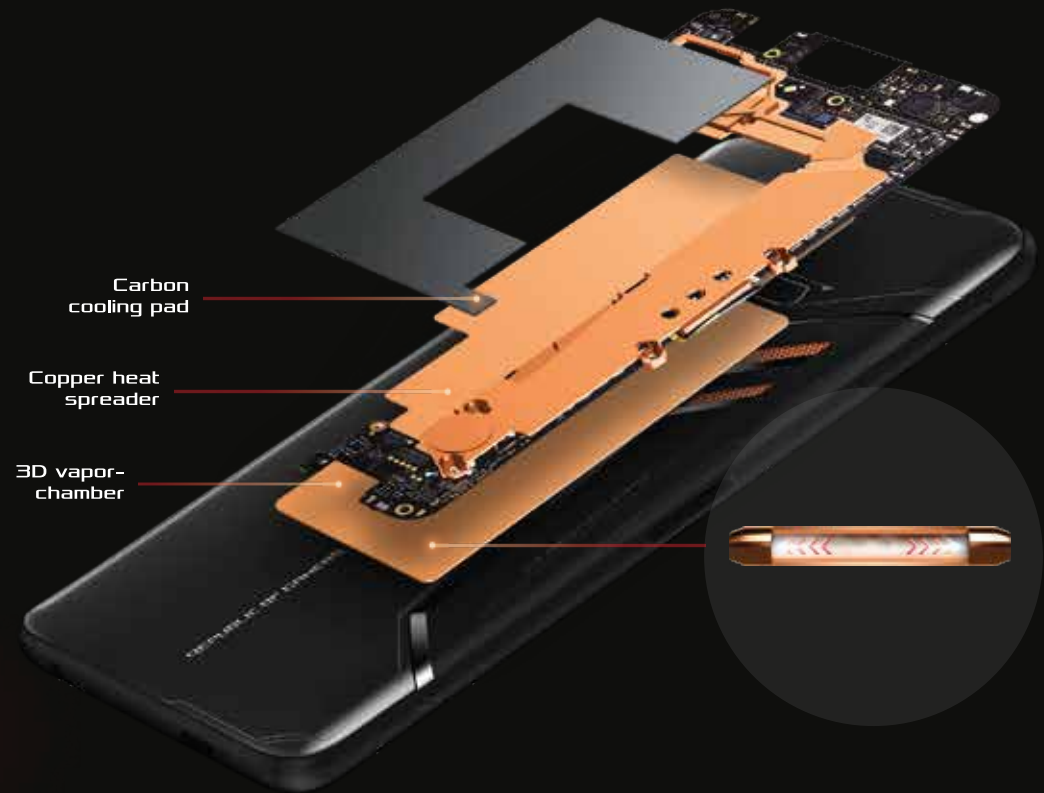


2. Compared to Snapdragon 835.

ROG GAMECOOL SYSTEM

PLAY COOL!

A high-end phone running graphics-intensive, fast-paced AAA action games can generate a killer amount of heat. As well as being uncomfortable to hold, a hot phone is a slow phone: thermal throttling can bring even the fastest CPU to its knees and turn your battle royale into a freeze-frame wipeout. ROG Phone is built from the ground up to run smoothly even when the action gets frenetic: its exclusive GameCool system features highly efficient 3D vapor-chamber cooling inside, enhanced with a copper heat spreader and carbon cooling pads on the circuit board for maximum cooling performance. The powerful AeroActive Cooler gives you an instant extra cooling boost whenever you need maximum sustained performance from ROG Phone. Its four-speed fan system can cool the surface of the phone by up to 4.7°C, keeping both the phone and your hands cool during those marathon sessions.



-4.7°C

Lower surface temperature

16x

Vapor-chamber cooling with 16x-larger³ heat-dissipation area

60%

Improved CPU cooling efficiency⁴

5x

Longer peak endurance

3. 6240mm² compared to 400mm² in standard cooling system for a 1.2GHz CPU.
 4. Sustained 1.9GHz clock speed, 60% faster than standard 1.2GHz CPU.

DISPLAY

NO-COMPROMISES: BLAZING SPEED AND GORGEOUS VISUALS



108.6% DCI-P3 wide color gamut

90 Hz

Refresh rate

1 ms

Ultrafast pixel response time

HDR

Visuals

100,000:1

Contrast ratio

The ultimate gaming phone deserves the ultimate display – something that the ROG gaming heritage makes us uniquely qualified to deliver. ROG Phone uses an ultrafast AMOLED display with a 90Hz refresh rate and a jaw-dropping 1ms pixel response time for blur-free visuals that are as smooth as silk. With a wide 108.6% DCI-P3 (sRGB 145%) color gamut, colors are incredibly vivid too, so game worlds look as glorious as they were intended, and HDR visuals with a 100,000:1 contrast ratio help reveal every hidden detail in the shadows

VIVID COLORS. HDR VISUALS



ROG Phone - AMOLED HDR visual



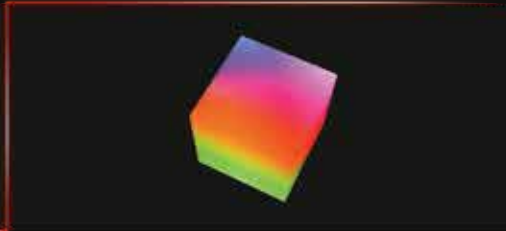
IGZO LCD display



ULTRA-FAST AMOLED



Blurred normal pixel response



ROG Phone - Blur-free 1ms pixel response

SIDE-MOUNTED PORTS

GAMING COMFORT,
BY DESIGN

Charging a phone while you're playing is almost guaranteed to hurt your game. With ROG Phone, we threw the design book away and started from scratch, optimizing the layout for landscape-mode gaming. The result is a revelation, with an additional side-mounted direct-charging port for unhindered gameplay. With ROG Phone, you can game in total comfort!



48 Pin Customized connector
with USB 3.0 Type-C +
special-speed port



Type-C USB connector

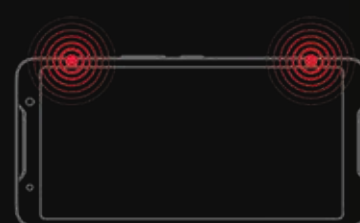


3.5mm audio jack

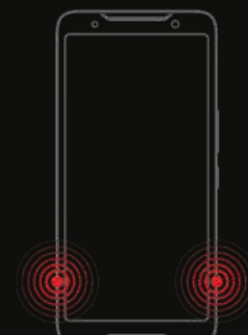
ULTRASONIC AIRTRIGGERS & ADVANCED HAPTICS

TAKE CONTROL!

ROG Phone is designed for a more console-like gaming experience, with unique ultrasonic AirTrigger touch sensors. Two of these ultra-responsive sensors are optimized as left/right triggers at the top of the display for landscape-mode gaming, and they're fully programmable for available on-screen action, such as aiming, firing, or inventory selection.



Landscape AirTriggers



Portrait Squeeze

ULTRASONIC SENSORS FOR ULTRA-PRECISE CONTROL

AirTriggers are designed for winning, with responsive, ultra-precise control. Using ultrasonic sensors, they have an activation force of less than 20g and a 10ms touch response time – massively outperforming the 80g force and 30-50ms latency associated with similar touch sensors on other phones.

AUDIO

TRULY IMMERSIVE STEREO SOUND

Intense gaming action demands superbly detailed and immersive sound if you're going stay one step ahead of your adversaries. ROG Phone delivers truly incredible and immersive audio, with ultra-powerful front-facing stereo speakers driven by smart amplifiers that maximize volume and minimize distortion. The 24-bit/192KHz audio engine supports Hi-Res Audio files. Whether you're using speakers or headphones, the brand-new DTS:X Ultra 1.0 delivers incredibly realistic 3D audio rendering for any kind of games or virtual/augmented reality (VR/AR), featuring immersive 7.1-channel surround-sound with enhanced bass response. You can also enjoy crystal-clear high-definition audio over Bluetooth®. Games have never sounded this good.



Dual front-facing stereo speakers



Dual smart amplifiers



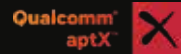
The latest NXP 9874 amplifiers



24-bit/192KHz Hi-Res Audio



7.1-channel surround sound



High-definition Bluetooth® wireless audio

DUAL CAMERAS

BUILT TO CAPTURE YOUR WHOLE WIDE WORLD

The dual-camera system in ROG Phone uses cutting-edge hardware to take your photography to new heights. With its highly light-sensitive flagship Sony® IMX363 main camera, 120° wide-angle second rear camera, and a capable front-facing camera, whatever the subject, ROG Phone takes it all in its stride, capturing more of your world. ROG Phone removes the limits on your creativity.



Sony® IMX363 flagship sensor

6.25x

Light sensitivity

F 1.7

Aperture

1/2.55"

Sensor size

1.4 μm

Pixel size

120°

Wide-angle camera



Night HDR

