

Qualcomm® Snapdragon™ 710 mobile platform

Kedar Kondap

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High Profile Launches



Nokia 7 plus



OPPO R15 Pro



vivo X21



Motorola X4



ASUS ZenFone 4



Xiaomi Mi Note 3



HTC U11 Life



Lenovo Phab 2 Pro



Xiaomi Redmi Note 5 Pro



Samsung Galaxy S Light Luxury



Xiaomi Mi 6X



Meizu 15 Meizu 15 Lite



vivo X20 vivo X20 Plus



moto g6 plus



OPPO R11 OPPO R11 Plus



Asus Zenfone 3 Ultra



Sony Xperia X



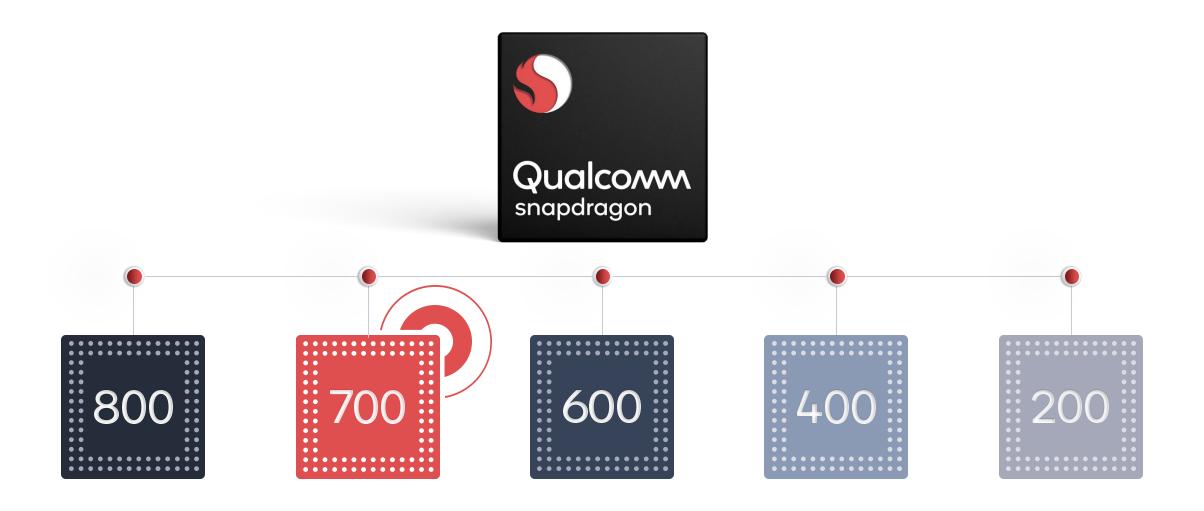
Samsung Galaxy A9 Pro



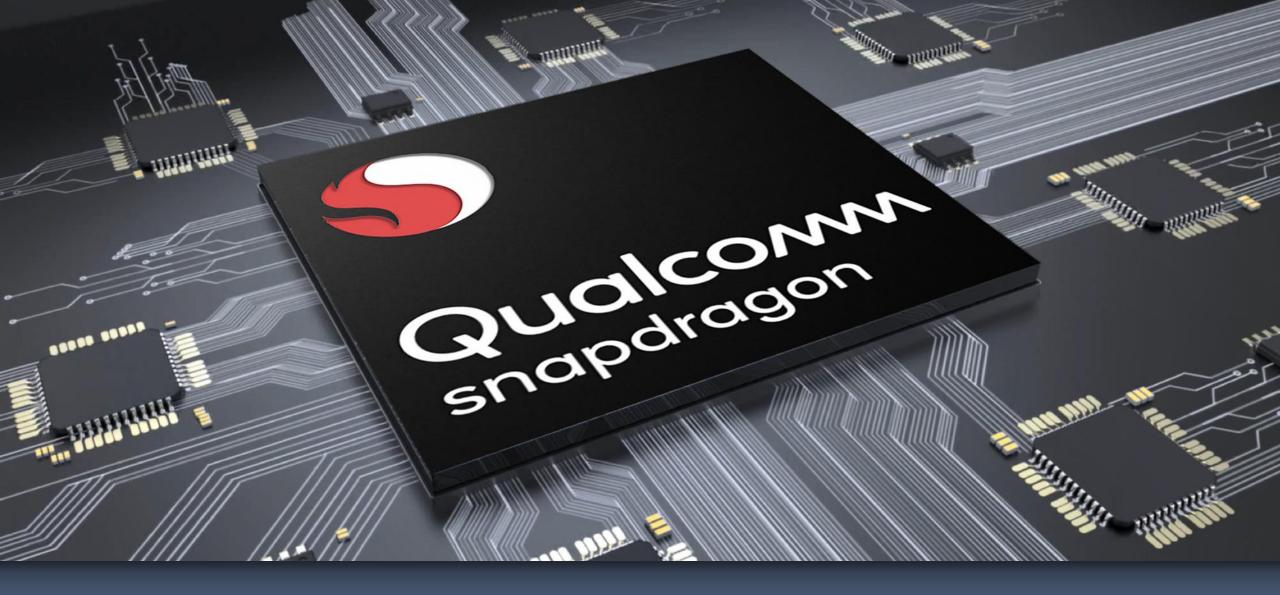
Vivo x9 Plus



Snapdragon 600 tier

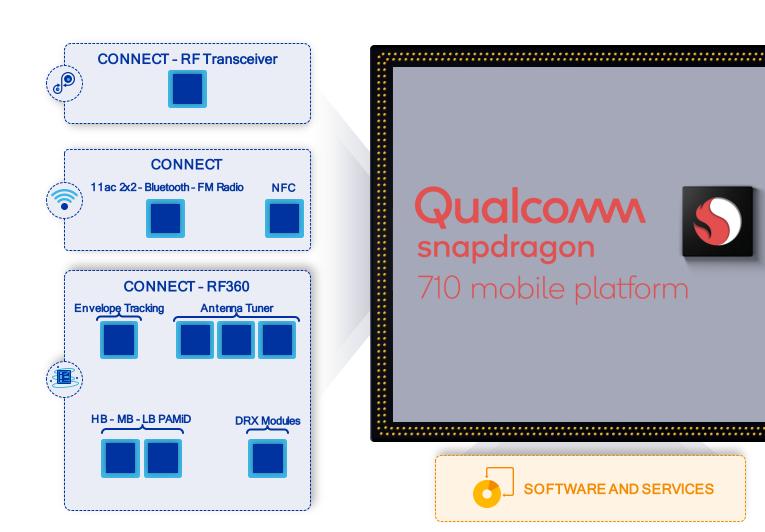


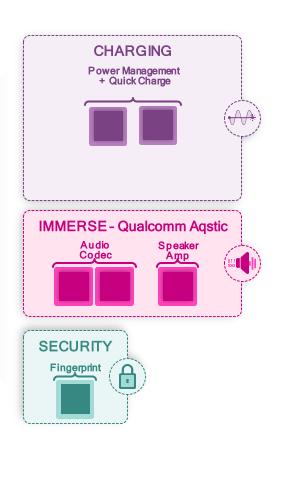
Snapdragon Mobile Platform Tiers



Snapdragon 710 Mobile Platform

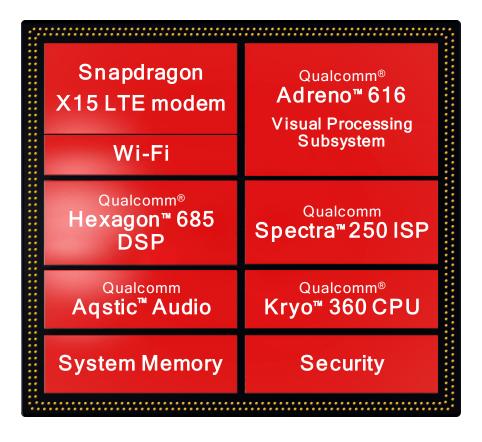
Elevate your mobile experience





Much more than a Processor





Qualcomm Adreno, Qualcomm Spectra, Qualcomm Hexagon, Qualcomm Kryo and Qualcomm Agstic are products of Qualcomm Technologies, Inc. and/or its subsidiaries.

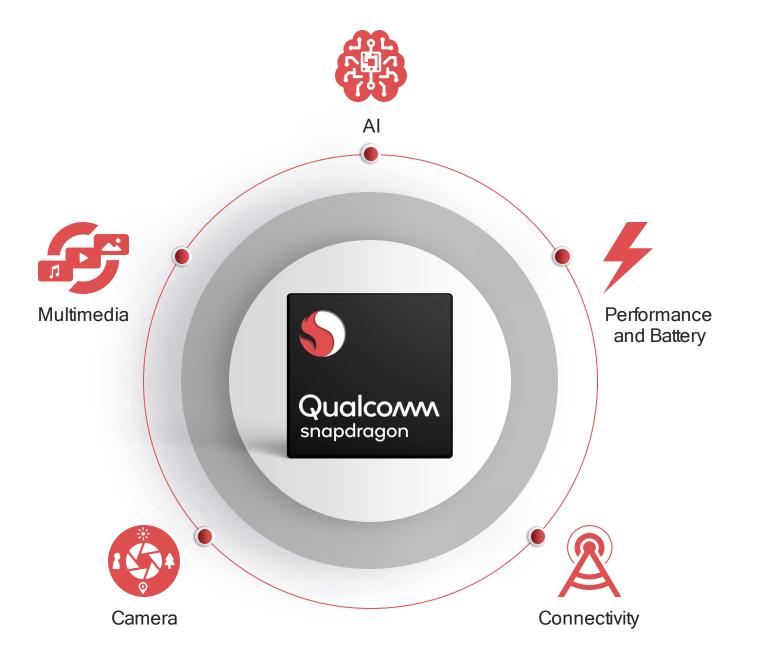
Premium architectures for Al, power and performance

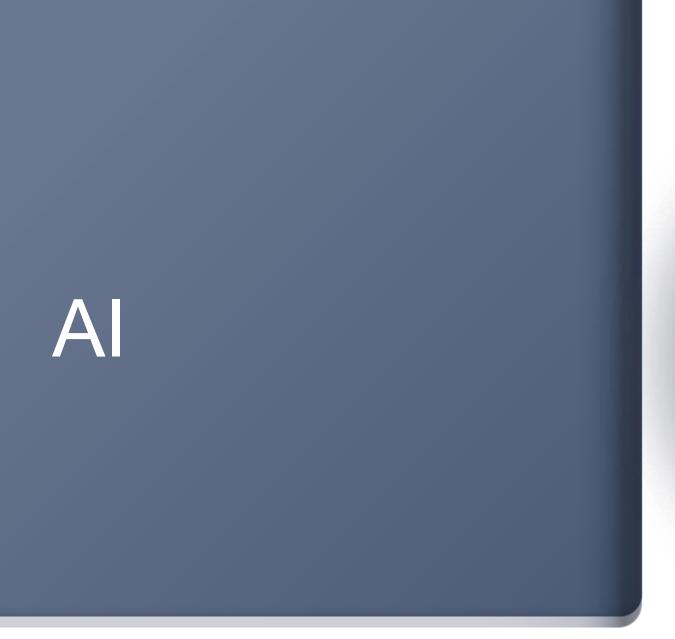


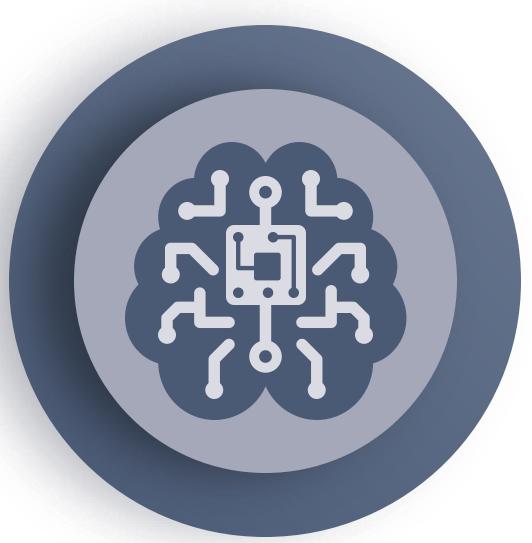




Designed to deliver exceptional user experiences





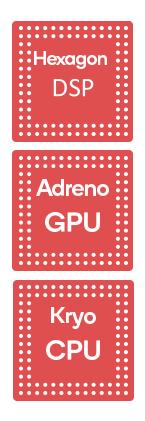




Snapdragon 710 Supports a Full Al Experience

of Snapdragon 660

Hardware



Tools



- Snapdragon Neural Processing (SDK)
- Android NNAPI
- Hexagon NN

Frameworks



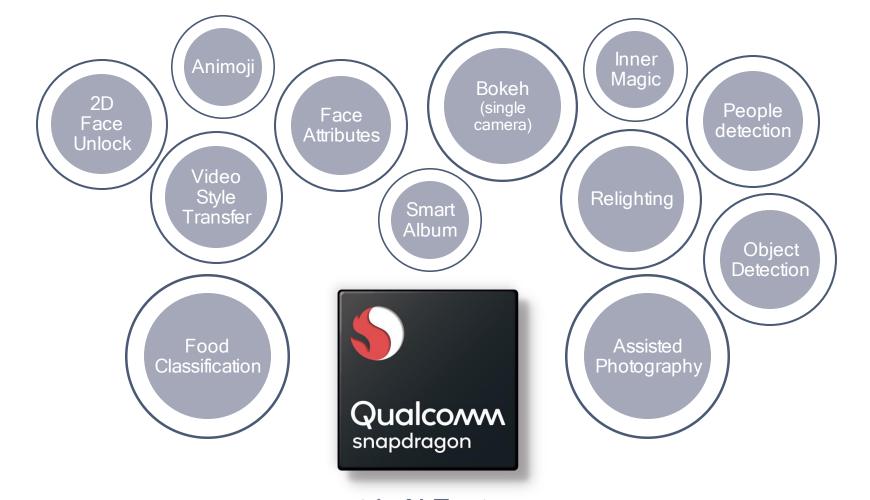








AI ISVs & AI phone features for Snapdragon





ellipticlabs



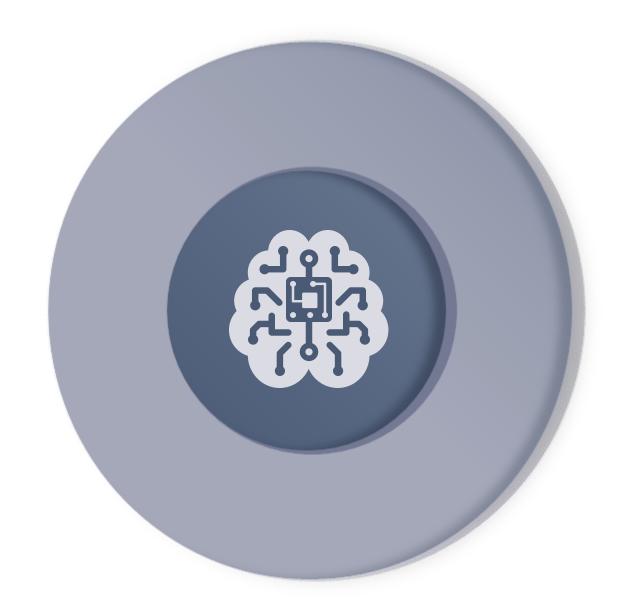






AI Highlights

- 2X Al performance*
- Platform-wide optimizations
- Robust ISV ecosystem
- On device Al processing of voice UI, photography and biometrics



Connectivity



Integrated

Snapdragon X15 LTE modem

Helping keep you connected quickly, worldwide



800 Mbps

Breakthrough mobile user experience



LAA

Improved capacity, spectrum flexibility



4x4 MIMO

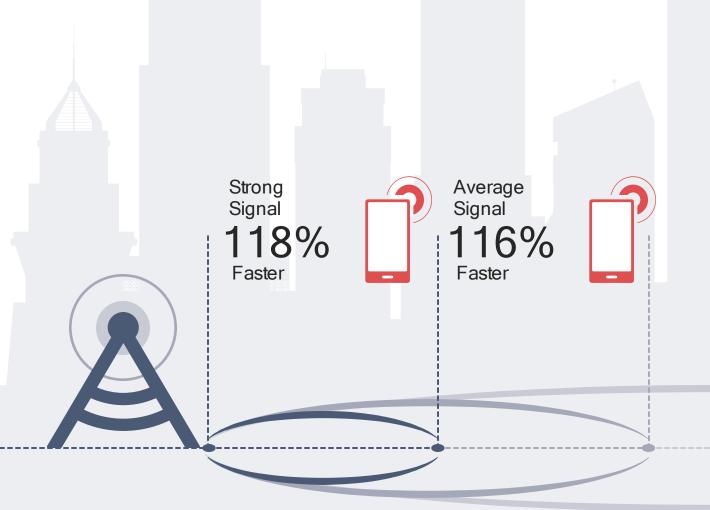
Superior signal quality and faster speeds

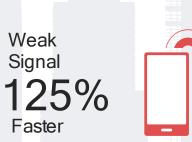


2.5 X faster downlink than Cat 7 LTE in real world use*

Browsing Download Speed

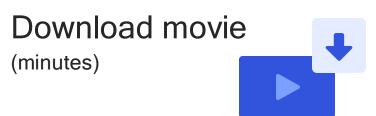
Snapdragon 710 versus competing Cat 7 device

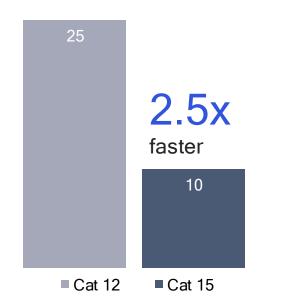




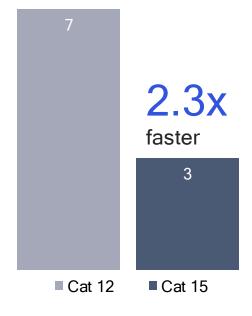
X15 advantages in poor signal quality

Stream movie (resolution) Cat 12 Cat 15





Download 20 albums (minutes)



Source: QTILTE Network Capacity Simulation.

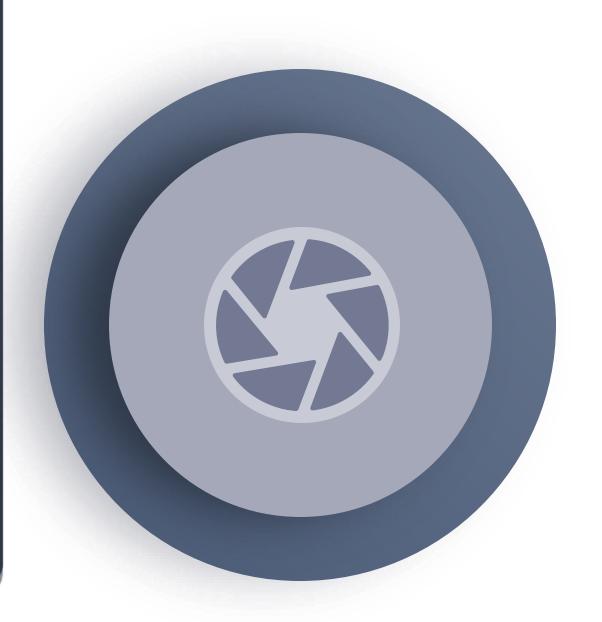
Connectivity Highlights

- X15 LTE Modem
- 2.5X faster download than Cat 7
- >30% faster than Snapdragon 660
- 4X4 MIMO
- LAA

- Up to 800 Mbps
- 2x2 Wi-Fi (802.11ac)
- Bluetooth 5
- Qualcomm
 TrueWireless™
 Stereo Plus
- Qualcomm[®] Broadcast Audio



Camera





Qualcomm Spectra 250

New architecture for higher performance and lower power*





Active Depth Sensing

For security use-cases, with high accuracy





Slow Motion Video Capture

Lower power, better quality



Super Resolution

HW accelerated, multi-frame



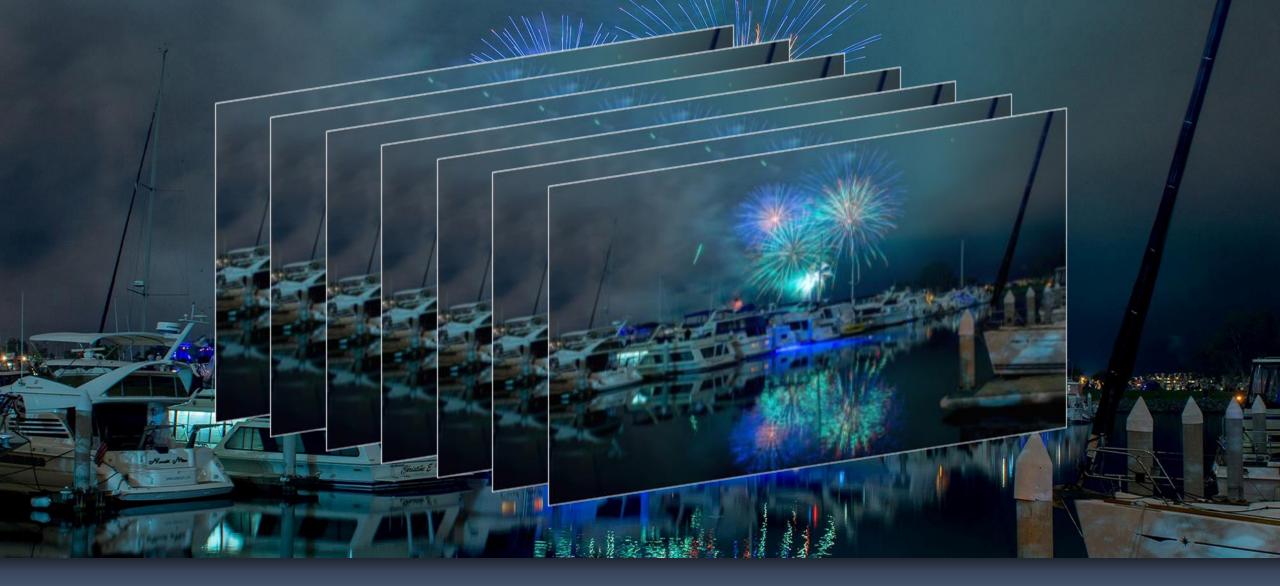
Video Noise Reduction

With motion compensation filter



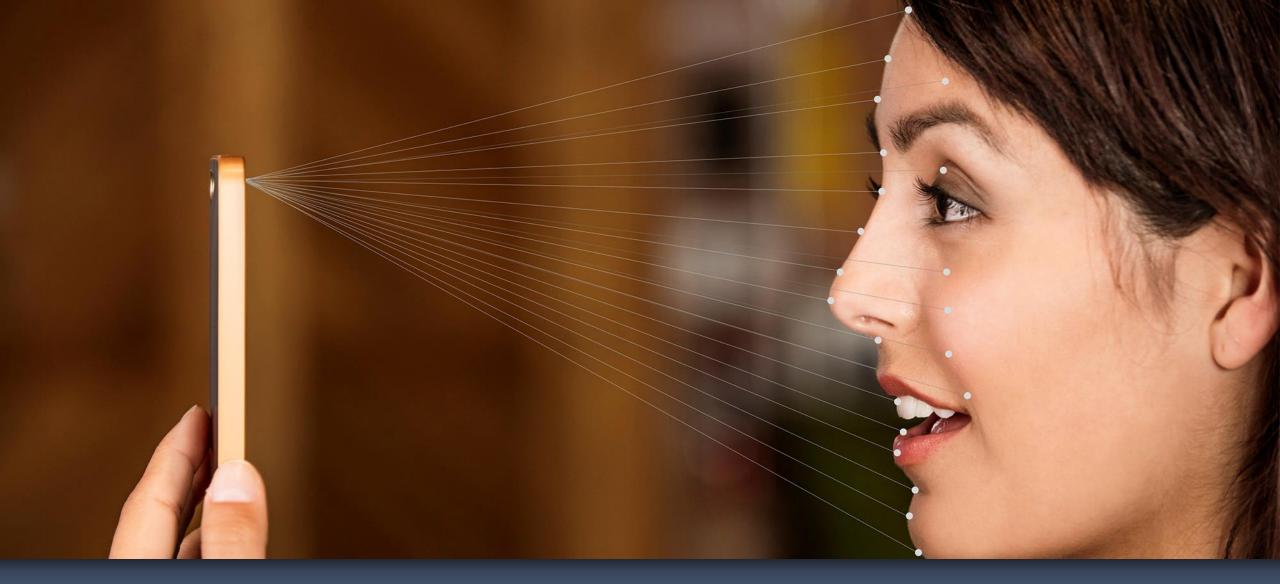
Image Stabilization

HW accelerated, in-line for low power





Multi-frame Noise Reduction Sharp and colorful photos – even in low light







Other









4K J Up 40% Lower Power* Capture up to 4 hours of Ultra HD Video per charge

Camera Highlights

- Qualcomm Spectra 250 ISP
- Noise Reduction
- Active Depth Sensing
- Ultra HD Video Capture, 40% lower power

- Slow Motion
 Video Capture
- Super Resolution
- Video Noise Reduction
- Image Stabilization
- Up to 32MP single, 20MP dual ISP



Multimedia







will bring a

increase in shades of color



10-bit

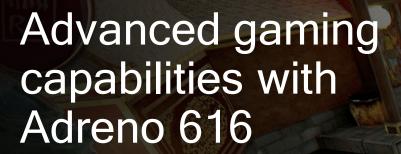
8-bit

16.78 million colors



Uncompressed 10-bit





GPU

UP 35% faster graphics rendering

Vulkan API support on Adreno GPU:



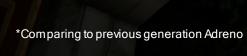
Supported in Unreal Engine 4.1.2 / Unity 5.6



Console-like gaming experience



Stunning graphics at lower power









At Unity our mission is to democratize development and a big part of that is providing the highest quality performance on the latest mobile devices. We are excited about the Snapdragon 710 and its Adreno 616 visual processor and look forward to working with Qualcomm Technologies to bring the next level of visual compute experiences to mobile.



Ralph Hauwert
Director of Development

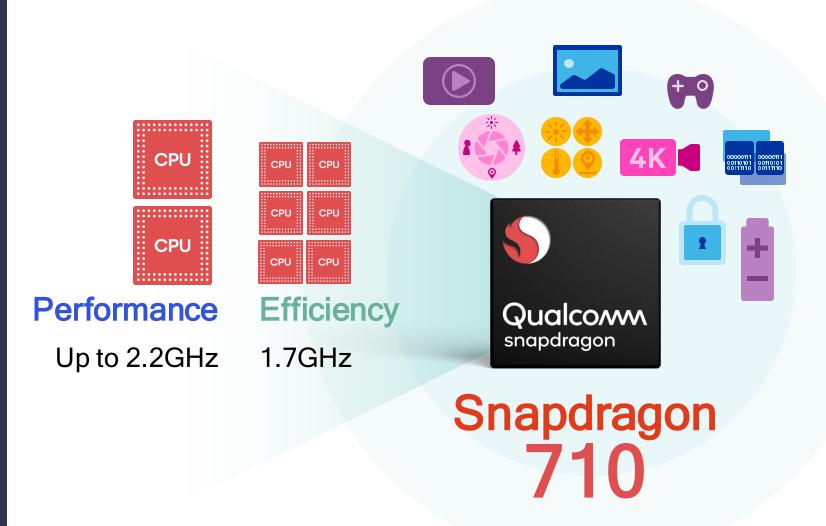


Tencent Games is committed to enabling the ultimate gaming experiences by working closely with ecosystem partners. Engaging with Qualcomm Technologies on multiple mobile platforms, including Snapdragon 845, 835 and 660, has enabled *King of Honor* to run smoothly and efficiently. These joint optimization efforts have achieved very good results. We look forward the same on the new Snapdragon 700 tier.

Deng Jun
Engineering Director
King of Honor



Kryo 360 CPU









Google and Qualcomm are collaborating on enabling qualified Snapdragon 710 based smartphones for users to enjoy high performing immersive and realistic AR applications



Snapdragon 710 Supports ARCore



Snapdragon and SenseAR



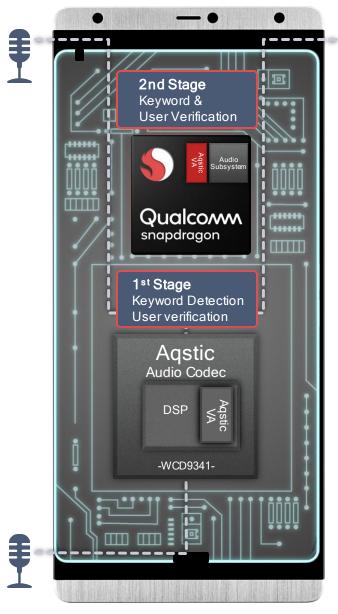
SenseAR

Optimizing performance for games and applications on Snapdragon 710 based smartphones



Qualcomm Aqstic Voice UI

Low power voice activation with Aqstic Voice suite











Multimedia Highlights

- 4K HDR video playback
- Adreno 616 GPU: 35% faster graphics rendering, 62 times more display colors*
- Kryo 360 CPU (3rd generation)

- Qualcomm Aqstic and Qualcomm[®] aptX[™] Audio
- Qualcomm Aqstic Voice UI
- QHD+ (2K) display



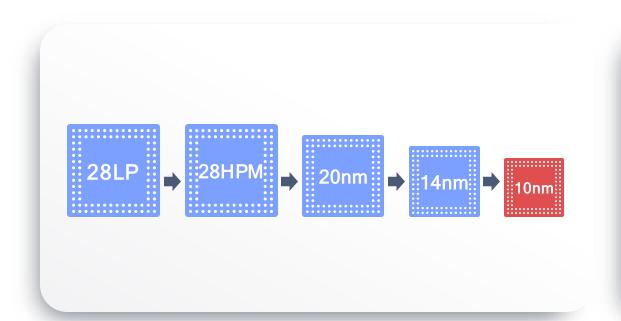
Performance and Battery



SAMSUNG

Jong Shik Yoon
Executive Vice President
Samsung Foundry

Significant power improvements as a result of...







Further optimizations working with the ecosystem: game developers, ISVs, and more



Performance and power advancements

Higher Performance







Lower Power















Do more throughout your day







Performance and Battery Highlights

- 10nm process technology
- 20% performance uplift
- New GPU, CPU and ISP architectures
- Qualcomm[®] Quick Charge[™] 4+



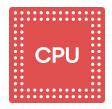
our Premium Tier







3rd gen Kryo CPU



2nd gen Spectra ISP



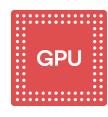
4KHDR **Playback**



X15 LTE Modem 4x4 MIMO



Adreno 6 series GPU





Qualco_x snapdragon



710 mobile platform

ΑI



The high-performance engine that makes AI even smarter

Connectivity



Helping to keep you connected faster, worldwide

Performance and Battery



Greater power, performance and intelligence for a new level of mobile experiences

Camera



Capture photos and videos with stunning quality and enhanced features

Multimedia



Advanced audio, video and display for premium HDR experiences, virtually anywhere

Elevate your mobile experiences

Devices expected in Q2 2018

Qualcomm

Thank you

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