

Qualcomm® Snapdragon™ 632 Mobile Platform



Snapdragon 632 Mobile Platform advancements

- **Qualcomm® Kryo™ 250 CPU:** Up to 40% higher CPU performance optimized across 4 performance and 4 efficiency cores.
- **Snapdragon X9 LTE Modem**
 - Cat 7 downlink, up to 300 Mbps
 - Cat 13 uplink, up to 150 Mbps
 - 2x20Mz carrier aggregation with up to 64-QAM
 - Snapdragon All Mode
 - Ultra HD Voice with EVS codec
- **Qualcomm® Hexagon™ 546 DSP:** Optimized for power efficiency, resulting in smarter camera, voice and gaming experiences.
- **Qualcomm® Adreno™ 506 Visual Processing Subsystem:** Engineered to support stunning, life-like graphics and console-like gaming at lower power.
- **Qualcomm® Signal Boost** antenna boost
- Professional camera features and DSLR-like image quality with dual image signal processors.
- Snapdragon sensor core supports new always-on use cases at reduced power levels and cost.
- Pin and software compatible with Snapdragon 626, 625, and 450

The most wanted mobile experiences

Smooth and Intuitive Experiences

Up to 40% higher performance with Kryo 250 CPU engineered to deliver a more intuitive interface and smoother scrolling.



Unbelievable Battery Life

Increased performance and stellar efficiency without taxing your battery, plus support for Qualcomm® Quick Charge™ 3.0 technology for when a fast charge is needed.



Winning Gaming Experiences

The improved Adreno 506 GPU brings up to 10% faster rendering for vivid graphics and interfaces that don't skip a beat.



Near Instant Sharing

Snapdragon X9 LTE Modem designed to support leading LTE speeds—up to 300 Mbps—letting you share stunning photos and videos quickly with ease.



Display/Camera

Dual ISPs support up to 40 MP single and 13 MP dual cameras for rich and vivid photos, fast autofocus, real-time Bokeh, and HD video.



To learn more visit: snapdragon.com

All comparisons made are in reference to previous generation, Snapdragon 626 mobile platform. Results will vary depending on OEM implementation and other factors.

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632 mobile platform



Our most sought-after mobile experiences, giving consumers more technology to play with throughout their day.

Features & Specifications¹

CPU

- 8x Kryo 250 CPU
- Up to 1.8 GHz
- 14 nm process technology

GPU

- Adreno 506 GPU: OpenGL ES 3.2, OpenCL 2.0 Full, Vulkan, DirectX 12, GPU Tessellation, Geometry Shading

DSP

- Hexagon 546 DSP
- Qualcomm All-Ways Aware™ technology

Memory

- LPDDR3

Display

- FHD+
- 1920x1200

Audio

- Qualcomm Aqstic™ audio technology
- Qualcomm® aptX™ audio technology
- Crystal clear VoLTE w/Ultra HD Voice (EVS)

- High fidelity music playback 192 kHz/24-bit
- Dolby 5.1 support

RF Front-End

- Snapdragon All Mode global/regional solutions with Qualcomm® RF Front End solution
- QFE2550 antenna impedance tuner for Qualcomm Signal Boost Antenna Boost
- Aperture tuning

Snapdragon X9 LTE Modem

- X9 LTE with 2x20Mz carrier aggregation
- Cat 7 downlink, up to 300 Mbps; up to 4 x 75 Mbps LTE streams
- Cat 13 uplink, up to 150 Mbps; up to 2 x 75 Mbps LTE streams
- Snapdragon Upload+
- Up to 64-QAM
- Snapdragon All Mode LTE FDD, LTE TDD, WCDMA (DB-DC-HSDPA, DC-HSUPA), TD-SCDMA, EV-DO, CDMA1x, and GSM/EDGE
- Support for LTE Broadcast, LTE multimode dual SIM and VoLTE with HD Voice and SRCC

Connectivity

- Integrated 802.11ac multi-user MIMO (MU-MIMO)
- Qualcomm® location Gen8C Lite
- USB 3.0
- Bluetooth 5.0 + BLE

Camera

- Dual ISPs support
 - Dual Camera: up to 13 MP, ZSL, 30fps
 - Single Camera: up to 24 MP, ZSL, 30fps
 - Single Camera: up to 40 MP

Video

- 4K30 capture & playback

Security

- Qualcomm® Processor Security
- Qualcomm® Content Security

Fast Charging

- Quick Charge 3.0 technology

¹ Certain optional features available subject to carrier and OEM selection for an additional fee.

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