Qualcomm® Snapdragon™
632 Mobile Platform

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.

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

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

Qualcomm Snapdragon, Qualcomm Adreno, Qualcomm Kryo, Qualcomm Signal Boost, Qualcomm Quick Charge, and Qualcomm Hexagon are products of Qualcomm Technologies, Inc. and/or its subsidiaries.

To learn more visit: snapdragon.com
Qualcomm Snapdragon 632 Mobile Platform

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

Features & Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
</table>
| **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) |
| **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.

Qualcomm All-Ways Aware, Qualcomm Content Security, Qualcomm Processor Security, Qualcomm Aqstic, Qualcomm aptX, Qualcomm Signal Boost, Qualcomm Snapdragon Upload+, Qualcomm Snapdragon All Mode, Qualcomm Location, and Qualcomm RF Front End are products of Qualcomm Technologies Inc. and/or its subsidiaries. Qualcomm, Snapdragon, Hexagon, Kryo, and Adreno are trademarks of Qualcomm Incorporated, registered in the United States and other countries. Qualcomm Aqstic, Quick Charge, and Qualcomm All-Ways Aware are trademarks of Qualcomm Incorporated. aptX is a trademark of Qualcomm Technologies International, Ltd., registered in the United States and other countries.