

QUALCOMM®  
SNAPDRAGON™

626

PROCESSOR

## Superior Power, Performance, and Connectivity

The Snapdragon 626 processor offers many advantages:

- + Integrated X9 LTE
  - Cat 7 downlink, up to 300 Mbps
  - Cat 13 uplink, up to 150 Mbps
  - 2x20Mhz carrier aggregation with up to 64-QAM
  - Snapdragon All Mode
  - Ultra HD Voice with EVS codec
- + Qualcomm® TruSignal™ antenna boost
- + Professional camera features and DSLR-like image quality with dual image signal processors
- + Qualcomm® Hexagon™ 546 DSP provides battery-efficient enhancements to audio, video, and computer vision use cases
- + Qualcomm® Adreno™ 506 GPU PC-class graphics with support for advanced APIs and Hardware Tessellation
- + Snapdragon sensor core supports new always-on use cases at reduced power levels and cost
- + Software leveragable across other Snapdragon 600 series processors

To learn more visit: [snapdragon.com](http://snapdragon.com)

## USER EXPERIENCES



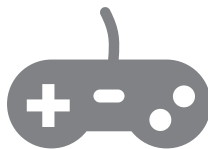
### Long Battery Life

35% lower day of use power<sup>1</sup> with the first 14nm Snapdragon 600 tier processor



### Enhanced Photography

Dual image signal processors (ISPs) support leading mobile camera experiences, improved dynamic range, enhanced AutoFocus performance and computational photography



### Advanced Graphics and 3D Gaming

Adreno 506 GPU supports avid mobile gamers with realistic 3D imagery and developers with support for the latest graphics APIs



### 4K Ultra HD video

Premium 4K video with HEVC capture and playback for optimal balance of quality and bandwidth

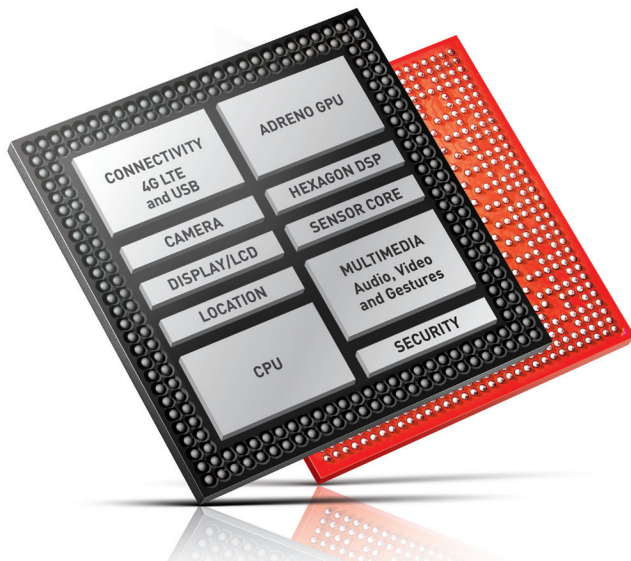


### Integrated X9 LTE

Up to 3x the LTE upload speeds of most LTE devices - up to 150 Mbps, and advanced Wi-Fi with MU-MIMO - for super-fast sharing of high res photos and videos

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<sup>1</sup>as compared to the Snapdragon 617 processor



Snapdragon 600 series high-tier processors are designed to support a high-value combination of advanced features, superior performance, robust connectivity and all-day battery life in leading devices.

## FEATURES & SPECIFICATIONS<sup>1</sup>

### CPU

- + Octa -core 64-bit up to 2.2GHz

### GPU

- + Adreno 506 GPU: OpenGL ES 3.1, OpenCL 2.0 Full, DirectX 12, GPU Tessellation, Geometry Shading

### DSP

- + Hexagon 546 DSP

### Memory

- + LPDDR3

### Display

- + Primary Full HD 1080p 60fps UI
- + Qualcomm® Low-Picture Enhancement and Qualcomm® TruPalette™ display features
- + Qualcomm® improveTouch™ technology

### Audio Technologies

- + Crystal clear VoLTE w/ Ultra HD Voice (EVS)
- + High fidelity music playback 24bit/192kHz
- + Dolby 5.1 support

### RF Front-End

- + Snapdragon All Mode global/regional solutions with Qualcomm® RF360™ front-end solution
- + QFE2550 antenna impedance tuner for TruSignal Antenna Boost
- + Aperture tuning
- + 3rd generation 28nm RF Transceiver

### Snapdragon X9 LTE Modem

- + X9 LTE with 2x20Mhz carrier aggregation
- + Cat 7 downlink, up to 300 Mbps; up to 4x 75Mbps LTE streams
- + Cat 13 uplink, up to 150 Mbps; up to 2x 75Mbps 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
- + Qualcomm RF360™ front end solution
- + Support for LTE Broadcast, LTE multimode dual SIM and VoLTE with HD Voice and SRVCC

### Connectivity

- + Integrated 802.11ac Multi-User MIMO (MU-MIMO)
- + Qualcomm® IZat™ location services Gen8C Lite
- + USB 3.0
- + Bluetooth 4.2

### Camera

- + Dual ISPs support up to 24MP

### Video

- + 4K@30fps HEVC capture and playback

### Security

- + Qualcomm Haven™ security suite

### Fast Charging

- + Qualcomm® Quick Charge™ 3.0 technology



Qualcomm RF360, Flunce, Qualcomm Low-Picture Enhancement, Qualcomm TruPalette, Qualcomm improveTouch, Qualcomm TruSignal, Qualcomm Haven, Qualcomm IZat and Qualcomm Quick Charge are products of Qualcomm Technologies, Inc.

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