

QUALCOMM®  
SNAPDRAGON™

410

PROCESSOR

## A “Ubiquitous 4G LTE Processor”

**The Snapdragon 410 processor offers many advantages:**

- + Integrated Cat 4 LTE, up to 150 Mbps
- + Broad selection of RF options, including support for Qualcomm Technologies’ RF360™ solution
- + Superior CPU architecture that is both 32-bit and 64-bit capable — ARM® quad Cortex®-A53 CPUs are designed to enable an improved user experience
- + New ARMv8-A ISA enables improved instruction set efficiency
- + 13MP camera support with Wavelet Noise Reduction and JPEG Decoder done in hardware
- + Qualcomm® Adreno™ 306 Graphics with support for advanced APIs, including OpenGL ES 3.0, DirectX, and OpenCL
- + China specific requirements such as Dual SIM and Dual Active (DSDA) and Triple SIM (TSTS) support
- + QRD Option for a comprehensive development platform
- + Content and platform security using Qualcomm® Snapdragon StudioAccess™ technology and SecureMSM™ platform

**To learn more visit:**

**[snapdragon.com](http://snapdragon.com) or [mydragonboard.org](http://mydragonboard.org)**

## USER EXPERIENCES



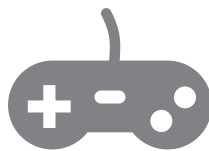
### Access to Global Fast 4G LTE networks

Integrated 4G LTE and Qualcomm RF360™ solution supports fast download speeds no matter the location of the 4G network



### Capture and playback videos and images at high-res

Snapdragon 410 processor supports up to 1080p resolutions and 13 MP camera



### Play multiplayer 3D online games in real time

Adreno 306 GPU facilitates 3D gaming with support for latest APIs



### Manage different networks with Multi-SIM support

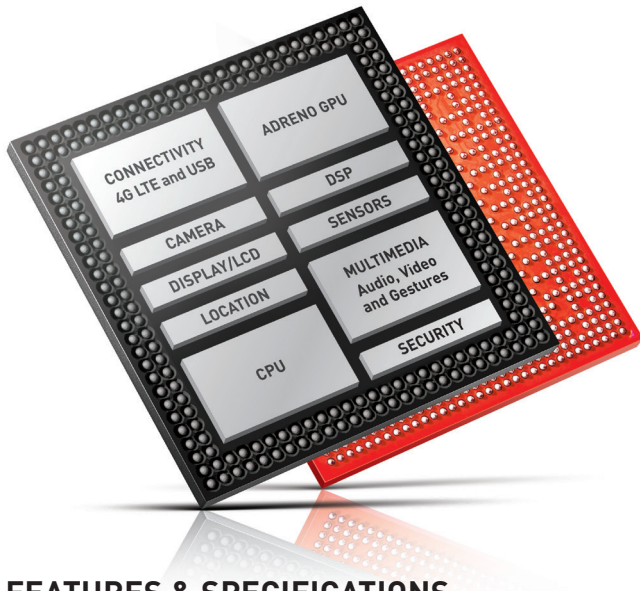
Support multiple SIM cards (dual and triple) for ease of switching between affordable networks



### All day battery life and easier, faster charging

Tight integration and support for Qualcomm® Quick Charge™ 1.0 technology

Qualcomm®  
**snapdragon** 



When you need advanced processors for high-volume, mainstream mobile devices, the Snapdragon 410 processor enables comprehensive smartphone and tablet design solution for a powerful combination of features and performance and battery efficiency.

## FEATURES & SPECIFICATIONS

### CPU

- + Quad ARM® Cortex® A53 up to 1.4GHz with both 32-bit and 64-bit support

### GPU

- + Adreno 306 GPU: OpenGL ES 3.0<sup>1</sup>, OpenCL<sup>2</sup>, DirectX, content security, and decreased power consumption<sup>3</sup>

### DSP

- + QDSP6 DSP

### Memory

- + LPDDR2/LPDDR3@533MHz
- + eMMC 4.5
- + SD 3.0 (UHS-I)

### Display

- + 1920x1200
- + 1080p external displays supported
- + 720p Miracast™ Support

### Modem

- + Integrated 4G LTE Advanced World Mode, supporting LTE FDD, LTE TDD, WCDMA (3C-HSDPA, DC-HSUPA), CDMA1x, EV-DO Rev. B, TD-SCDMA and GSM/EDGE
- + 4G LTE CAT4 speeds of up to 150 Mbps
- + Qualcomm RF360™, LTE-Broadcast and LTE multimode dual-SIM (DSDS and DSDA)

### RF

- + Next Gen RF and Qualcomm RF360™ for world mode bands, lower power and PCB & BOM reduction

### Multimedia

- + 1080p@30fps
- + FHD HEVC playback
- + FHD H.264 capture
- + Snapdragon Voice Activation
- + 5.1 surround sound with Dolby and DTS

### Camera

- + Single ISPs can support 1.5GP/s throughput and image sensors up to 13MP

### Connectivity

- + 802.11n (2.4GHz)
- + Qualcomm® IZat™ location technology Gen8C Lite
- + USB 2.0
- + BT4.1

### Security

- + Snapdragon StudioAccess



<sup>1</sup> Product is based on a published Khronos specification and is expected to pass the Khronos Conformance Testing Process when available. Current conformance status can be found at [www.khronos.org/conformance](http://www.khronos.org/conformance).

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<sup>3</sup> As compared to its predecessor, the Adreno 305 GPU in the Snapdragon 400 processor