

QUALCOMM®
SNAPDRAGON™

415

PROCESSOR

The “X5 LTE with HD” Processor

The Snapdragon 415 processor offers many advantages:

- + Integrated X5 LTE
 - Support for Cat 4 download speeds up to 150 Mbps
 - Support for Global Mode and advanced modem technologies, including LTE-FDD, LTE-TDD, CDMA, UMTS/HSPA+ and TD-SDCMA
- + Octa-core CPU performance — based on ARM® Cortex®-A53 CPUs designed to deliver a robust multimedia experience
- + 5.1 surround sound with Dolby and DTS
- + Qualcomm® Adreno™ 405 Graphics with support for advanced APIs and Hardware Tessellation
- + Qualcomm® Reference Design availability for all Snapdragon 415 features

To learn more visit:

snapdragon.com or mydragonboard.org

USER EXPERIENCES



Integrated X5 LTE

Integrated 4G LTE with support for fast Cat 4 speeds (up to 150Mbps) and for Qualcomm RF360™ front end solution



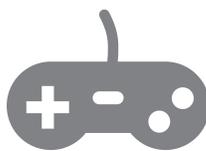
Hi-Res Camera and smooth HD display

Snapdragon 415 processor captures incredible night shots, with great image quality for low-light photography, at up to 13 MP



Record and playback 1080p videos

Multi-core processing and advanced video codec offer high-res video capturing and editing while conserving battery power



Stunning 3D gaming

Adreno 405 GPU supports avid online gamers with eye-catching 3D imagery and support for the latest APIs

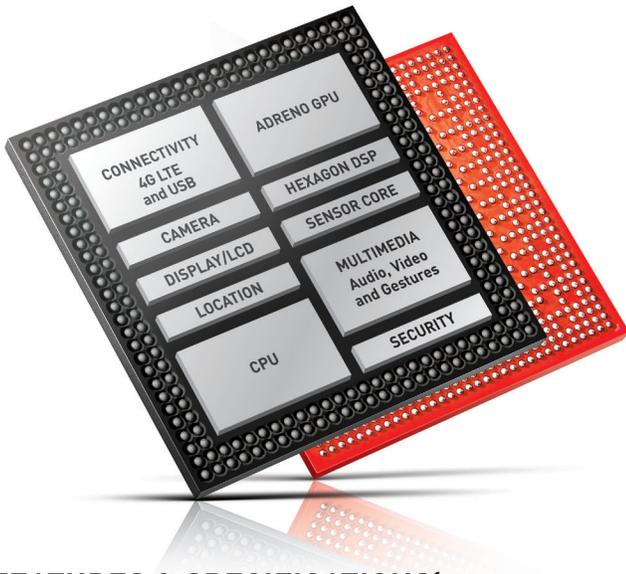


Qualcomm® Quick Charge™ technology

Snapdragon 415 processor supports Quick Charge 2.0 technology, so your device can charge up to 75% faster than conventional methods*

Qualcomm®
snapdragon 

*Based on internal tests charging a 3300mAh battery using a [1] QC2.0 USB wall adapter (9V, 2A), [2] USB wall adapter (5V, 2A), and [3] USB wall adapter (5V, 1A), respectively. (February 2013)
Qualcomm Snapdragon, Qualcomm Adreno, Qualcomm RF360 and Qualcomm Quick Charge are products of Qualcomm Technologies, Inc. Qualcomm Reference Design is a program of Qualcomm Technologies, Inc.



The Snapdragon 415 processor re-defines the standard for entry-level mobile devices with 64-bit octacore architecture, comprehensive HD, Adreno 400 series graphics and fast LTE connectivity.

FEATURES & SPECIFICATIONS¹

Modem

- + Integrated X5 LTE Global Mode modem, supporting LTE FDD, LTE TDD, WCDMA (3C-HSDPA, DC-HSUPA), CDMA1x, EV-DO, TD-SCDMA and GSM/EDGE
- + Cat 4 download speeds of up to 150 Mbps
- + Qualcomm RF360 front end solution
- + LTE Broadcast and LTE multimode dual SIM

Connectivity

- + 802.11ac (2.4/5.0GHz)
- + Multi-User MIMO (MU-MIMO)
- + Qualcomm® IZat™ location technology Gen8C Lite
- + USB 2.0
- + BT4.1 + BLE

GPU

- + Adreno 405 GPU: OpenGL ES 3.1, OpenCL, DirectX 11.2, HW Tessellation, Geometry Shading

DSP

- + Qualcomm® Hexagon™ V50 DSP

Memory

- + LPDDR3@667MHz
- + eMMC 4.5
- + SD 3.0 (UHS-I)

Display

- + Up to HD 720p@60fps
- + External displays supported

Video

- + 1080p@30fps playback with native HEVC
- + FHD H.264 capture

Qualcomm Audio

- + Fluence™ technology with Noise Cancellation and Echo Cancellation
- + Crystal clear voice calls

Camera

- + Single ISPs supports up to 13MP

CPU

- + Octa ARM® Cortex™ A53 up to 1.4GHz

Security

- + Qualcomm® Snapdragon StudioAccess™ technology
- + Trustzone
- + Qualcomm® SecureMSM™ technology



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

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