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
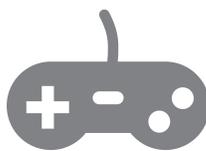
Hi-Res Camera and smooth HD display

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
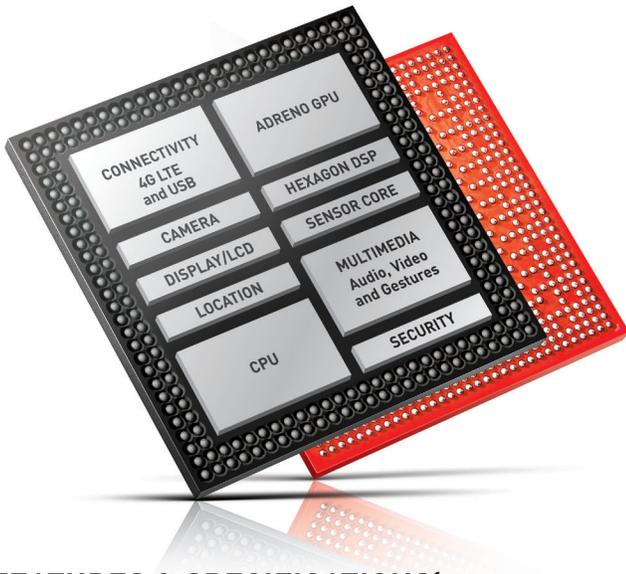
Qualcomm® Quick Charge™ technology

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

Qualcomm® snapdragon™

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 & SPECIFICATIONS[1]

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