

QUALCOMM®  
SNAPDRAGON™

200

PROCESSOR

## The “Pervasive 3G” Processor

The Snapdragon 200 processor offers many advantages:

- + Competitive quad-core CPU performance designed to enable an improved user experience<sup>1</sup>
- + Qualcomm® Gobi™ modem support for fastest global connections and advanced dem technologies, including CDMA/UMTS, HSPA+ and TD-SDCMA<sup>1</sup>
- + HD multichannel sound with DTS-HD and Dolby Digital Plus
- + Take high-resolution photos with up to 8 Megapixel camera support
- + China specific Multi-SIM capabilities such as Dual SIM, Dual Active (DSDA)
- + Qualcomm® Adreno™ 302 Graphics with support for advanced APIs<sup>1</sup>
- + Qualcomm® Reference Design availability for all Snapdragon 200 features
- + Content and platform security using Qualcomm® Snapdragon StudioAccess™ technology and Qualcomm® SecureMSM™ technology

To learn more visit:

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

## USER EXPERIENCES



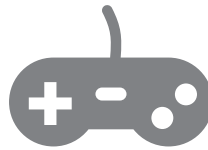
### Comprehensive 3G Connectivity

Integrated 3G multimode modem for fast download speeds in hi-volume, entry-level smartphones and tablets



### Manage different networks with Multi-SIM support

Supports multi-SIM capabilities such as Dual SIM and Dual Active (DSDA)



### Immersive online 3D gaming

Adreno 302 GPU enables avid online gamers with eye-catching 3D imagery and support for the latest APIs



### Home Theater Quality Audio

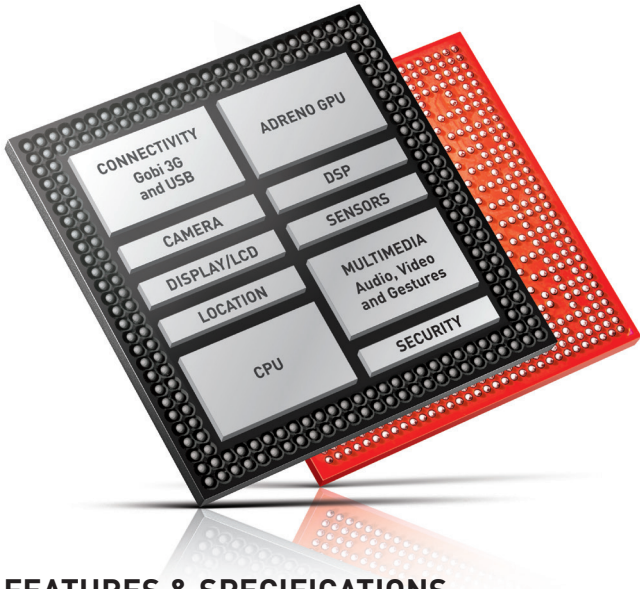
HD multichannel sound with DTS-HD and Dolby Digital Plus



### Efficient Power Management

Energy efficient LP process and Qualcomm® Hexagon™ QDSP5 enables ultra-low power application

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Snapdragon 200 processors are designed to enable a high-value balance of performance, robust connectivity and better battery life to high-volume smartphones.

## FEATURES & SPECIFICATIONS

### CPU

+ up to 1.2GHz<sup>1</sup>

- + LPDDR2@300MHz
- + eMMC 4.5
- + SD 3.0 (UHS-I)

- + Qualcomm® Fluence™ Noise Cancellation and Echo Cancellation
- + Crystal clear voice calls

### GPU

- + Adreno 302 GPU<sup>1</sup>: OpenGL ES 3.0<sup>2</sup>, OpenCL<sup>3</sup>, DirectX, content security, and decreased power consumption<sup>4</sup>
- + Adreno 203 GPU: OpenGL ES 2.0, DirectX

### Display

- + Up to 720p<sup>1</sup>
- + qHD<sup>2</sup>
- + External displays supported

### Camera

- + Single ISP supports up to 8MP

### DSP

- + Hexagon QDSP6 DSP<sup>1</sup>
- + Hexagon QDSP5 DSP

### Modem

- + Integrated Gobi 3G for the fastest global connections and advanced modem technologies, including WCDMA (3C-HSDPA, DC-HSUPA), CDMA1x, EV-DO Rev. B, TD-SCDMA(1) and GSM/EDGE
- + Qualcomm RF360™ front end solution, Dual-SIM (DSDS)

### Connectivity

- + 802.11n (2.4GHz)
- + Qualcomm® IZat™ location technology Gen8B
- + USB 2.0
- + BT4.1 + BLE

### Security

- + Snapdragon StudioAccess
- + Trustzone
- + SecureMSM

### Memory

### Video

- + 720p@24fps playback
- + HD H.264 capture

### Qualcomm Audio



Snapdragon 200 processors include the following part numbers: 8110, 8210, 8610, 8112, 8212, 8612, 8225Q and 8625Q

<sup>1</sup> Only available with 8x10 and 8x12

<sup>2</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)

<sup>3</sup> Product is based on a published Khronos Specification, and is expected to pass the Khronos Conformance Testing Process. Current conformance status can be found at [www.khronos.org/conformance](http://www.khronos.org/conformance)

<sup>4</sup> As compared to its predecessor, the Adreno 305 GPU in the Snapdragon 400 processor