

QUALCOMM® SNAPDRAGON™ 200 PROCESSORS

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

Snapdragon 200 processors bring many of the most coveted Snapdragon processing technologies and features into the high-volume smartphone segment.

Popular mobile user experiences like HD video capture and playback, online 3D gaming, and high megapixel camera are no longer limited to higher-end, higher-priced devices. Our innovative multi-core Snapdragon 200 processors are designed to switch seamlessly between sophisticated applications, support HD resolutions, and deliver premium multichannel audio. The Snapdragon 200 tier features advanced quad core designs based on ARM's Cortex-A5 or Cortex-A7 CPU technology.

Designed to deliver high-end user experiences to the high-volume smartphone segment, Snapdragon 200 processors strike an optimal balance of popular mobile features and advanced low-power architecture.

Custom built and optimized for mobile featuring:

- + High-performance Adreno™ GPU for console quality 3D graphics
- + QDSP5 for low power audio 7 speech features
- + Dedicated multimedia subsystem for rich media and longer battery life
- + Broad sensor support for advanced application enablement
- + Multilayer content and platform security using SecureMSM™

When you need advanced processors for high-volume smartphones, Snapdragon 200 processors offer the ultimate combination of features, performance and power efficiency.

USER EXPERIENCES

Qualcomm Snapdragon 200 processors bring high-end user experiences to high-volume smartphones and tablets.

- + Capture and playback video at 720p HD
- + Take high-resolution, 3D photos with up to 8 Megapixel camera support
- + Play high-end 3D games on multiple screens
- + Bring home theater quality audio with you wherever you go with enhanced audio effects
- + Enjoy your photos, videos and games on large, high-resolution display devices and HD external displays.
- + Support for the latest mobile operating systems (Android, Windows Phone, Blackberry)

FEATURES

CPU

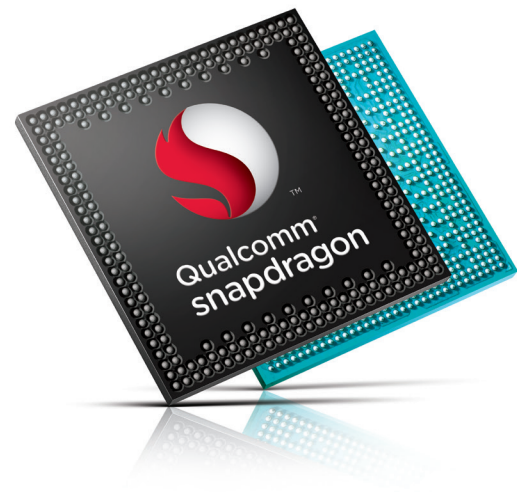
- + Competitive quad core CPU performance in high volume smartphones
- + LP-DDR2 memory for high performance and low latency

GPU

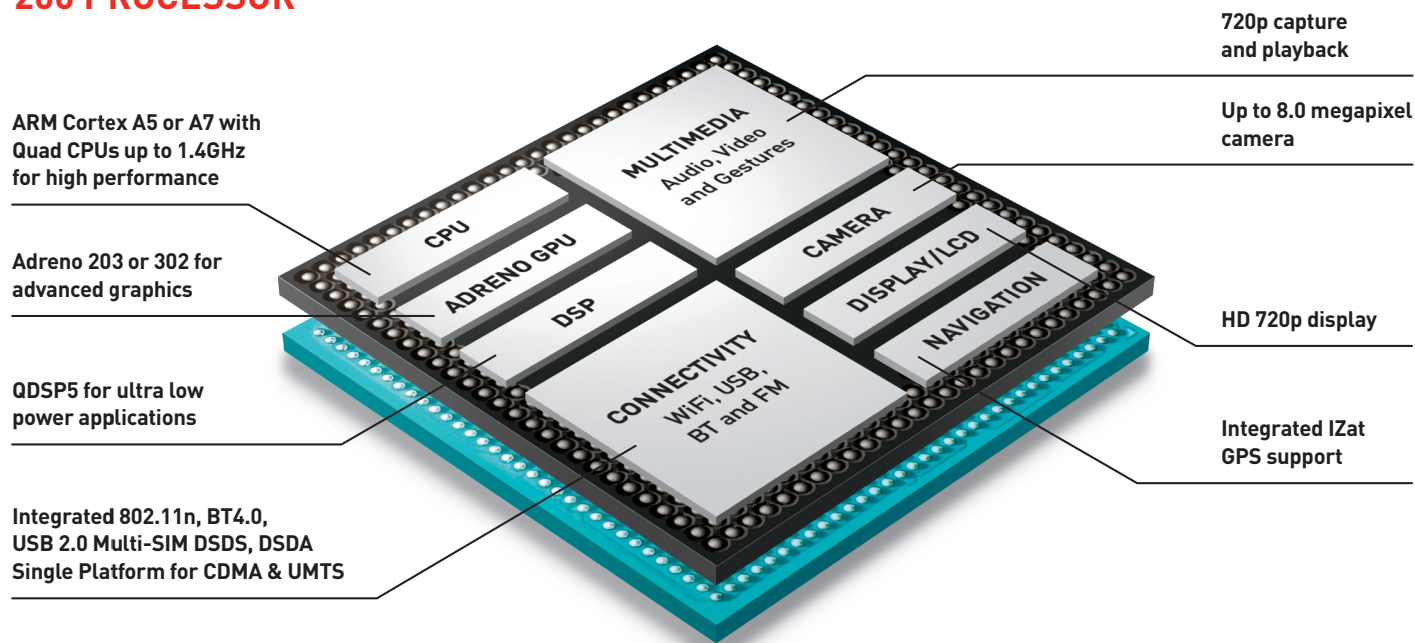
- + Adreno 203 or 302 GPU delivers over 100% increase in graphics processing performance¹
- + Support for graphics APIs like OpenGL ES 1.1 and 2.0 and WebGL 1.0
- + Support for popular middleware and game engines like Unity, Epic, and Unigine

DSP

- + QDSP5 enables ultra-low power operation for a variety of applications like music playback, enhanced audio effects, computer vision processing and still and video image enhancements



200 PROCESSOR



Connectivity

- + Support for fastest global connections and advanced modem technologies, including CDMA/UMTS, HSPA+, and TD-SCDMA
- + Multi-sim capabilities of Dual SIM, Dual Active (DSDA), Triple SIM, and Triple Standby
- + USB 2.0 for fast transfers
- + Supports 802.11n for peak Wi-Fi performance
- + Wi-Fi integrated into modem for enhanced user experience
- + IZAT location technology features GNSS for accurate auto and pedestrian navigation and indoor location capabilities for advanced location-based services

Power Management

- + Energy efficient LP process
- + Dynamic GPU clock and voltage scaling

SPECIFICATIONS

System

- + Quad ARM® Cortex™-A5 CPU at up to 1.4GHz per core
- + Quad ARM Cortex -A7 CPU at up to 1.2GHz per core
- + Adreno 203 or 302 GPU
- + QDSP5

Multimedia

- + Video: 720p HD capture/playback
- + Camera: Up to 8 Megapixel
- + Display: 1280x800, HD 720p
- + Audio: HD multichannel sound with DTS-HD and Dolby Digital Plus

Connectivity

- + CDMA/UMTS, HSPA, GSM/GPRS/EDGE, 1xRev.A, 1xEV-DO Rev. A/B
- + HSPA+ (up to 21Mbps) and TD-SCDMA²
- + 802.11n (2.4/5GHz)
- + BT4.0
- + Integrated IZat GPS
- + USB 2.0
- + DSDS, DSDA, TSTS²

To learn more visit snapdragon.com or mydragonboard.org

¹ Compared to its predecessor, Adreno 200

² Only available with 8x10 and 8x12

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

