

QUALCOMM®
SNAPDRAGON™

208

PROCESSOR

The “3G Primacy” Processor

The Snapdragon 208 processor offers many advantages:

- + Integrated Qualcomm® Gobi™ 3G up to 42 Mbps
- + Broad selection of RF options, support for Qualcomm RF360™ CMOS PA, antenna switch, antenna matching tuner, and power tracker
- + Native H.265 (HEVC) decode -Superior Video core for 720p video
- + Up to 5MP Camera with superior 3A algorithms, zero shutter lag
- + China specific requirements such as Dual-SIM (DSDS)
- + Qualcomm® Adreno™ 304 Graphics with support for advanced APIs
- + Qualcomm Reference Design availability for all Snapdragon 208 features
- + Content and platform security using Qualcomm® Snapdragon StudioAccess™ technology and Qualcomm® SecureMSM™ technology
- + Competitive dual-core CPU performance designed to enable an improved user experience

To learn more visit:

snapdragon.com or mydragonboard.org

USER EXPERIENCES



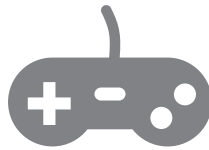
3G Leadership Continuum

Integrated Gobi 3G multimode modem and Qualcomm RF360™ front end solution for fast download speeds in budget, entry-level smartphones and tablets



HD video content on the fly

With native HEVC, maximize device storage, watch streaming HD content as quick as you can click the link



Immersive online 3D gaming

Adreno 304 GPU enables avid online gamers with eye-catching 3D imagery and support for the latest APIs



Qualcomm® Audio

Differentiating audio experiences with Fluence™ HD (Noise Cancellation, Qualcomm® Snapdragon™ Voice Activation) and Qualcomm® Snapdragon™ Voice+

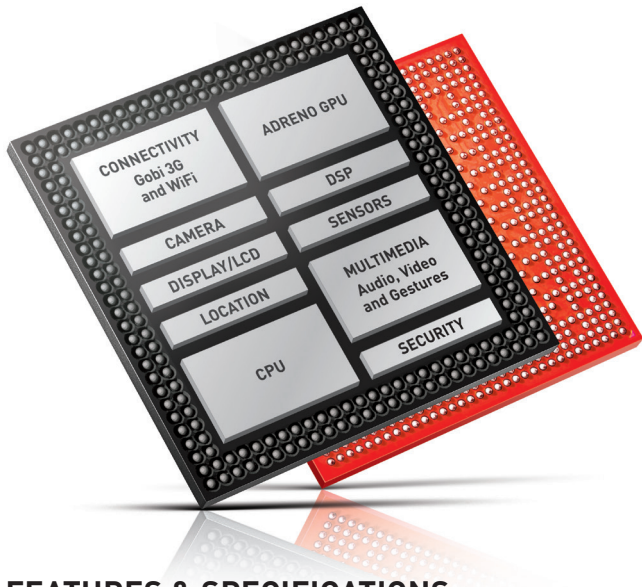


All day battery life and fast-charging

Tight integration and support for Qualcomm® Quick Charge™ 2.0 technology, for up to 75% faster charging¹

Qualcomm®
snapdragon 

¹ 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)



The Snapdragon 208 processor is designed to deliver a cutting-edge 3G experience, while integrating premier video, camera, and voice features for budget-friendly smartphones and tablets.

FEATURES & SPECIFICATIONS

CPU

- + up to 1.1GHz

GPU

- + Adreno 304 GPU: OpenGL ES 3.0², OpenCL³, DirectX, content security, and decreased power consumption⁴

DSP

- + QDSP6 DSP

Memory

- + LPDDR2/LPDDR3@400MHz
- + eMMC 4.5
- + SD 3.0 (UHS-I)

Display

- + Up to qHD
- + External displays supported

Modem

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

RF

- + Qualcomm RF360™ front end solution and 3rd generation 28nm RF Transceiver for world mode bands, lower power and PCB & BOM reduction

Video

- + 720p@30fps
- + HD Native HEVC playback
- + HD H.264 capture

Qualcomm Audio

- + Fluence HD with Noise Cancellation and SVA
- + Crystal clear voice calls

Camera

- + Single ISPs can support 320MP/sec throughput and image sensors up to 5MP

Connectivity

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

Power Management

- + Quick Charge 2.0 Support

Security

- + Snapdragon StudioAccess
- + Trustzone
- + SecureMSM



² 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.

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⁴ As compared to its predecessor, the Adreno 305 GPU in the Snapdragon 400 processor