QUALCOMM® SNAPDRAGON™

212

PROCESSOR

The "4G LTE for Everyone" Processor

The Snapdragon 212 processor offers many advantages:

+ Integrated X5 LTE
  - LTE Advanced Carrier Aggregation up to 2x10 MHz in the downlink
  - Support for Category 4 speeds of up to 150 Mbps download, 50 Mbps upload
  - LTE dual SIM (DSDS)

+ Broad selection of RF options, support for Qualcomm RF360™ CMOS PA, antenna switch, antenna matching tuner, and power tracker

+ Up to 8MP Camera with superior 3A algorithms, zero shutter lag

+ Qualcomm® Adreno™ 304 Graphics with support for advanced APIs

+ Qualcomm Reference Design availability for all Snapdragon 212 features

+ Content and platform security using Qualcomm® Snapdragon StudioAccess™ technology and Qualcomm® SecureMSM™ foundation

+ Competitive quad-core CPU performance — ARM® quad Cortex®-A7 CPUs are designed to enable an improved user experience

To learn more visit:
snapdragon.com or mydragonboard.org
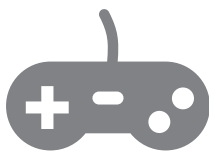
USER EXPERIENCES

4G LTE for Everyone

Integrated X5 LTE with support for Cat 4 speeds (up to 150Mbps) and support for Qualcomm RF360™ front end solution for lightning-fast download speeds in budget, entry-level smartphones and tablets

HD video content on the fly

With native HEVC, maximize device storage and 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+
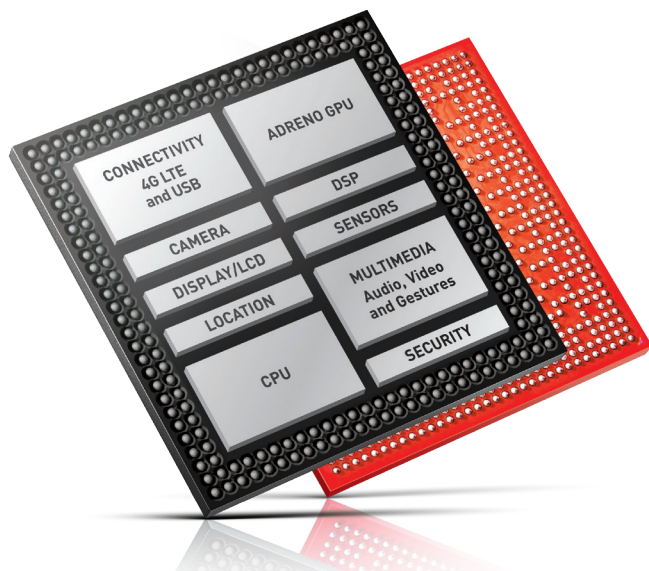
All day battery life and fast-charging

Tight integration and support for Qualcomm® Quick Charge™ 2.0 technology, for up to 75% faster charging[1]

Qualcomm snapdragon

The Snapdragon 212 processor brings 4G LTE to everyone. With integrated 4G LTE and a combination of features and performance without compromising battery life, budget mobile devices will never be the same.

FEATURES & SPECIFICATIONS[5]

CPU

+ Quad ARM Cortex A7 up to 1.3GHz

GPU

+ Adreno 304 GPU: OpenGL ES 3.0[2], OpenCL[3], DirectX, content security, and decreased power consumption[4]

DSP

+ QDSP6 DSP

Memory

+ LPDDR2/LPDDR3@533MHz
+ eMMC 4.5
+ SD 3.0 (UHS-I)

Display

+ Up to 720p
+ External displays supported

Modem

+ Integrated X5 LTE Global Mode modem, supporting LTE FDD, LTE TDD, WCDMA (3C-HSDPA, DC-HSUPA), CDMA1x, EV-DO Rev. B, TD-SCDMA and GSM/EDGE
+ Cat 4 download speeds of up to 150 Mbps with LTE Advanced 2x10 MHz Carrier Aggregation
+ LTE Broadcast and LTE multimode dual SIM

RF

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

Video

+ 1080p@30fps playback
+ Up to 1080p playback with H.264 (AVC) and H.265 (HEVC)
+ Up to 720p capture with H.264 (AVC)

Power Management

+ Quick Charge 2.0 Support

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 8MP

Connectivity

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

Security

+ SecureMSM foundation
+ Snapdragon StudioAccess technology

Qualcomm® snapdragon™