The “4G LTE for Everyone” Processor

The Snapdragon 210 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, dual standby (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 210 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

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) Qualcomm Snapdragon, Qualcomm RF360, Qualcomm Adreno, Qualcomm Snapdragon StudioAccess, Qualcomm Quick Charge, Qualcomm SecureMSM, Qualcomm Snapdragon Voice Activation, Qualcomm Snapdragon Voice+ and Fluence are products of Qualcomm Technologies, Inc.
The Snapdragon 210 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

#### CPU
- Quad ARM Cortex A7 up to 1.1GHz

#### GPU
- Adreno 304 GPU: OpenGL ES 3.0, OpenCL, DirectX, content security, and decreased power consumption

#### DSP
- QDSP6 DSP

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

#### Display
- Up to 720p
- External displays supported

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

#### Modem
- Integrated X5 LTE Global Mode modem, supporting LTE FDD, LTE TDD, WCDMA (3G-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
- Support for next-generation calling and messaging, including VoLTE with SRVCC, HD voice, native video calling, Wi-Fi calling with call continuity to LTE, and advanced messaging with Rich Communication Service (RCS)
- LTE Broadcast and LTE multimode dual SIM, dual standby (DSDS)

#### 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

#### 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

#### Security
- SecureMSM foundation
- StudioAccess technology

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2 Product is based on 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.

5 Certain optional features available subject to Carrier and OEM selection for an additional fee.

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