

QUALCOMM®
SNAPDRAGON™

617

PROCESSOR

The “4G Max” Processor

The Snapdragon 617 processor offers many advantages:

- + Integrated X8 LTE
 - LTE Advanced Carrier Aggregation up to 2x20 MHz in the downlink and uplink
 - Up to LTE Cat 7 speeds at the Snapdragon 600 tier
 - Support for Global Mode and advanced modem technologies, including LTE-FDD, LTE-TDD, CDMA, UMTS/HSPA+ and TD-SDCMA
- + Professional camera features and DSLR-like image quality with dual image signal processors
- + Qualcomm® Hexagon™ 546 DSP provides battery-efficient enhancements to audio, video, and computer vision use cases
- + Qualcomm® Adreno™ 405 Graphics with support for advanced APIs and Hardware Tessellation
- + Qualcomm® Reference Design availability for all Snapdragon 617 features
- + Octa-core CPU performance — based on ARM Cortex-A53 CPUs designed to deliver a robust multimedia experience

To learn more visit:

snapdragon.com or mydragonboard.org

USER EXPERIENCES



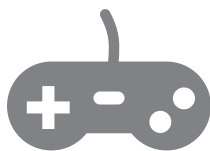
Integrated X8 LTE

Support for LTE Advanced Cat 7 with up to 2x20 MHz carrier aggregation for fast download/upload speeds of up to 300/100 Mbps respectively in hi-volume, entry-level smartphones and tablets



Enhanced Photography and Videography

Dual image signal processors (ISPs) enable new camera experiences, better depth of field, gesture capabilities, 3D techniques, and optical zoom



Stunning 3D gaming

Adreno 405 GPU supports 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



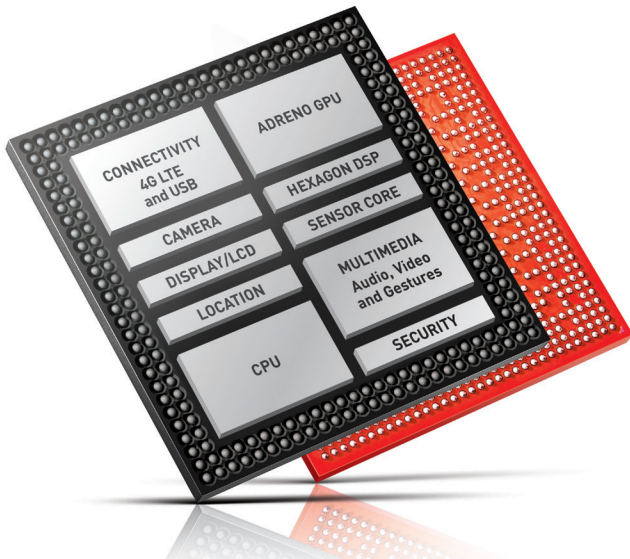
Super-Fast Charging

Charge your device up to 4X faster than conventional methods* with Qualcomm® Quick Charge™ 3.0 technology

Qualcomm®
snapdragon 

Qualcomm Snapdragon, Qualcomm Hexagon, Qualcomm Adreno and Qualcomm Quick Charge are products of Qualcomm Technologies, Inc. Qualcomm Reference Design is a program of Qualcomm Technologies, Inc.

*Based on internal tests charging a 2750mAh fast charge battery (1.5C charge rate) and using the maximum power for a thermal limit of 40C for all charging implementations. Charge time based on 0% to 50% (August 2015).



Snapdragon 617 processors are designed to support a high-value balance of performance, robust connectivity and better battery life to high-volume smartphones.

FEATURES & SPECIFICATIONS¹

Modem

- + Integrated X8 LTE, with Global Mode supporting LTE FDD, LTE TDD, WCDMA (DB-DC-HSDPA, DC-HSUPA), CDMA1x, EV-DO, TD-SCDMA and GSM/EDGE
- + Cat 7 speeds of up to 300 Mbps down/100 Mbps up via 2x20 MHz carrier aggregation in the downlink and uplink on LTE FDD and LTE TDD
- + Qualcomm RF360™ front end solution
- + Support for LTE Broadcast, LTE multimode dual SIM and VoLTE with HD Voice and SRVCC

Connectivity

- + 802.11ac (2.4/5.0GHz)
- + Multi-User MIMO (MU-MIMO)
- + Qualcomm® IZat™ location technology Gen8C Lite
- + USB 2.0
- + BT4.1 + BLE

GPU

- + Adreno 405 GPU: OpenGL ES 3.1, OpenCL, DirectX 11.2, HW Tessellation, Geometry Shading

DSP

- + Hexagon 546 DSP

Memory

- + LPDDR3@933MHz

Display

- + Up to HD 1080p
- + External displays supported

Video

- + 1080p@30fps playback with native HEVC
- + FHD H.264 capture

Qualcomm Audio

- + Fluence™ technology with Noise Cancellation and Echo Cancellation
- + Crystal clear voice calls

Camera

- + Dual ISPs supports up to 21MP

CPU

- + Octa ARM® Cortex™ A53 up to 1.5GHz

Security

- + Qualcomm® SecureMSM™ foundation
- + Qualcomm® Snapdragon™ StudioAccess technology

Fast Charging

- + Qualcomm® Quick Charge™ 3.0



¹Certain optional features available subject to Carrier and OEM selection for an additional fee.

Qualcomm RF360, Fluence, Qualcomm Snapdragon StudioAccess, Qualcomm SecureMSM and Qualcomm Quick Charge are products of Qualcomm Technologies, Inc. Qualcomm IZat is a product of Qualcomm Atheros, Inc.

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