

QUALCOMM®
SNAPDRAGON™

435

PROCESSOR

The “Mid-tier octa-core” Processor

The Snapdragon 435 processor offers many advantages:

- + Integrated X9 LTE modem
 - Cat 7 downlink, up to 300 Mbps
 - Cat 13 uplink, up to 150 Mbps
 - 2x20Mz carrier aggregation with up to 64-QAM
 - Snapdragon All Mode
 - Ultra HD Voice with EVS codec
- + Advanced Wi-Fi
 - Integrated 802.11ac with Multi-User MIMO (MU-MIMO)
- + Multi-threaded, high performance in mid-tier devices with the first octa-core Snapdragon 400 tier processor
- + 5.1 surround sound with Dolby and DTS
- + Qualcomm® Adreno™ 505 GPU brings upper-tier graphics quality to Snapdragon mid-tier processors
- + Qualcomm® Reference Design availability for Snapdragon 435 features

To learn more visit: snapdragon.com

USER EXPERIENCES



Integrated X9 LTE

Up to 3x the LTE upload speeds of most LTE devices - up to 150 Mbps, and advanced Wi-Fi with MU-MIMO - for super-fast sharing of high res photos and videos



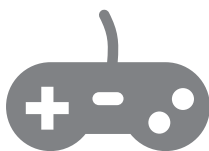
Advanced Camera

Dual image signal processors (ISPs) support rapid capture of high-resolution photos (16 Megapixel photos at 30 fps) with zero shutter lag



Smooth, fluid UI

Support for Full HD (1920x1200) resolution, Qualcomm® Low-Picture Enhancement and Qualcomm® TruPalette™ camera features enable eye-popping display quality



High-end 3D gaming

The Adreno 505 GPU brings more realistic scenes and objects at low power to Snapdragon 400 series processors



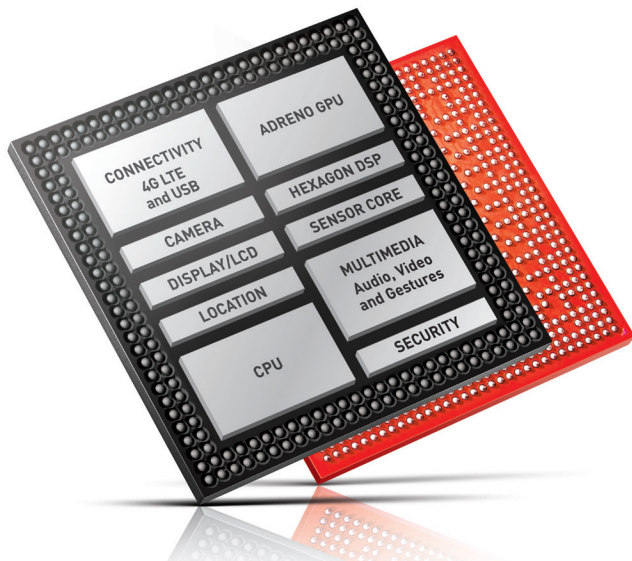
Super fast charging

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

Qualcomm®
snapdragon 

*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).

Qualcomm Snapdragon, Qualcomm Adreno, Qualcomm Low-Picture Enhancement, Qualcomm TruPalette and Qualcomm Quick Charge are products of Qualcomm Technologies, Inc. Qualcomm Reference Design is a program of Qualcomm Technologies, Inc.



The Snapdragon 435 processor re-defines the standard for mid-tier mobile devices with 64-bit octacore architecture, Adreno 500 series graphics and fast LTE connectivity.

FEATURES & SPECIFICATIONS¹

Snapdragon X9 LTE Modem

- + X9 LTE with 2x20Mz carrier aggregation
- + Cat 7 downlink, up to 300 Mbps; up to 4x 75Mbps LTE streams
- + Cat 13 uplink, up to 150 Mbps; up to 2x 75Mbps LTE streams
- + Snapdragon Upload+
- + Up to 64-QAM
- + Snapdragon All Mode LTE FDD, LTE TDD, WCDMA (DB-DC-HSDPA, DC-HSUPA), TD-SCDMA, EV-DO, CDMA1x, and GSM/EDGE
- + Qualcomm RF360™ front end solution
- + Support for LTE Broadcast, LTE multimode dual SIM and VoLTE with HD Voice and SRVCC

RF Front-End

- + Snapdragon All Mode global/regional solutions with Qualcomm RF360 front-end solution
- + Switches for Qualcomm® TruSignal™ Multi-Antenna Boost
- + Aperture tuning
- + 3rd generation 28nm RF Transceiver

Connectivity

- + 802.11ac with Multi-User MIMO (MU-MIMO)
- + BT4.1

CPU

- + Octa ARM Cortex A53 up to 1.4GHz

GPU

- + Adreno 505 GPU: OpenGL ES 3.1, OpenCL 2.0 full, DirectX 11.2, HW Tessellation, Geometry Shading

DSP

- + Qualcomm® Hexagon™ 536 DSP

Memory

- + LPDDR3@800MHz

Display

- + Up to Full HD 1920x1200@60fps

Video

- + 1080p@30fps, 720p@60fps capture and playback with hardware HEVC

Qualcomm Audio

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

Camera

- + Dual image signal processors (ISPs) support up to 16 MP and zero shutter lag

Security

- + Qualcomm® SecureMSM™ technology
- + Qualcomm® Snapdragon™ Smart Protect
- + Qualcomm SafeSwitch™ technology
- + Qualcomm® Snapdragon StudioAccess™ technology



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

Qualcomm RF360, Qualcomm Hexagon, Flurance, Qualcomm TruSignal, Qualcomm Snapdragon StudioAccess, Qualcomm SecureMSM, Qualcomm Snapdragon Smart Protect and Qualcomm SafeSwitch are products of Qualcomm Technologies, Inc.

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