

Qualcomm® Snapdragon™ 429 Mobile Platform



Snapdragon 429 Mobile Platform advancements

- **Snapdragon X6 LTE Modem:**
 - LTE Advanced Carrier Aggregation
 - Up to 2x10 MHz in the downlink
 - Support for Category 4 download speeds of up to 150 Mbps
 - Enhanced Category 5 uplink speeds up to 75 Mbps with 64-QAM support
 - Dual SIM Dual VoLTE (DSDV)
 - eMBMS
- **Qualcomm® Adreno™ 504 GPU** engineered to support stunning, life-like graphics and gaming at lower power.
- **Qualcomm® Hexagon™ 536 DSP** provides battery-efficient enhancements to audio, video, and computer vision use cases.
- 12 nm process technology featuring four performance cores
- Purpose-built Qualcomm® RF Front End solutions for implementing Snapdragon All Mode for China and emerging regions.
- Dual ISPs supporting up to 16 MP single and 8+8 MP dual cameras with enhanced auto-focus and zero shutter lag.
- AI capable, bringing on-device processing for enhanced features
- Pin and software compatible with Snapdragon 439

To learn more visit: snapdragon.com

* Quick Charge is designed to allow devices to charge up to four times faster than conventional charging. Actual results may vary depending on device design.

All comparisons made are in reference to previous generation, Snapdragon 425 mobile platform. Results will vary depending on OEM implementation and other factors.

Qualcomm Snapdragon, Qualcomm Adreno, Qualcomm Quick Charge, Qualcomm RF Front End, and Qualcomm Hexagon are products of Qualcomm Technologies, Inc. and/or its subsidiaries.

Popular mobile experiences for mass market smartphone buyers

Big Performance, Small Package

Snapdragon 429 is manufactured in 12 nanometers, engineered to deliver improved performance and big battery savings.



Incredible Gaming Graphics

With up to 50% faster graphics rendering from the previous generation, Adreno 504 GPU brings you rich, vivid gaming experiences.



Efficient Battery Consumption

A smaller, more efficient processor combined with Hexagon DSP designed to support 25% improvement in power usage, so your device can last longer in between charges.



Enhanced Camera

Capture stunning photos on-the-go with a dual image signal processor (ISP) that support up to 16 MP single and 8+8 MP dual cameras.



Super-Fast Charging

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



Qualcomm
snapdragon

Qualcomm snapdragon 429 mobile platform



Mix of popular features, balanced with long battery life and affordability to meet day-to-day mobile requirements.

Features & Specifications¹

CPU

- 4x Arm Cortex A53
- Up to 2.0 GHz
- 12 nm process technology

GPU

- Adreno 504 GPU: OpenGL ES 3.2, OpenCL 2.0, Vulkan, DirectX, GPU Tessellation, Geometry Shading

DSP

- Hexagon 536 DSP
- Qualcomm All-Ways Aware™ technology

Memory

- +LPDDR3

Display

- HD+
- 1140x720

Audio

- Qualcomm Aqstic™ audio technology
- Qualcomm® aptX™ audio technology

RF Front-End

- Cost-optimized, pairs with WTR2965 transceiver for global carrier aggregation
- Snapdragon All Mode for China and emerging regions
- Antenna Switches for Qualcomm® Signal Boost Multi-Antenna Boost

Snapdragon X6 LTE Modem

- X6 LTE with 2x10 Mz carrier aggregation
- Cat 4 downlink, up to 150 Mbps; up to 2 x 75 Mbps LTE Advanced
- Cat 5 uplink, up to 75 Mbps; up to 1 x 75 Mbps LTE Advanced
- Snapdragon Upload+
- Up to 64-QAM
- Snapdragon All Mode LTE FDD, LTE TDD, WCDMA (DC-HSDPA, HSUPA), TD-SCDMA, EV-DO Rev. B, CDMA1x, TD-SCDMA and GSM/EDGE
- Support for LTE Broadcast, dual SIM dual standby (DSDS) VoLTE with HD Voice and Ultra HD Voice (EVS), Wi-Fi calling with call continuity

Connectivity

- Integrated 802.11ac multi-user MIMO (MU-MIMO)
- Qualcomm® Location
- USB 2.0
- Bluetooth 5.0 + BLE

Camera

- Dual ISP
 - Up to 16 MP single camera
 - Up to 8+8 MP dual camera

Video

- Up to 1080p capture (@ 30fps) & playback

Security

- Qualcomm® Processor Security
- Qualcomm® Content Protection

Fast Charging

- Quick Charge 3.0 technology

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

Qualcomm All-Ways Aware, Qualcomm Processor Security, Qualcomm Content Protection, Qualcomm aptX, Qualcomm Snapdragon All Mode, Qualcomm Aqstic, Qualcomm Signal Boost, Qualcomm Location, and Qualcomm Snapdragon Upload+ are products of Qualcomm Technologies Inc. and/or its subsidiaries.

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