

Qualcomm announces a new family of mobile Snapdragon Chipsets

February 14 2011, by John Messina



Today in Barcelona, Spain Qualcomm Inc. announced its next mobile processor architecture for the Snapdragon family. Offering speeds of up to 2.5GHz per core and delivering 150 percent higher overall performance and 65 percent lower power consumption.

(PhysOrg.com) -- Qualcomm just announced today its next mobile processor architecture for the Snapdragon family chipsets that will include the single-core MSM8930, the dual-core MSM8960 and the quad-core APQ8064. The single, dual, and quad-core chipsets will feature, WiFi, GPS, Bluetooth, FM, LTE modem support and NFC (near field communication).

Speeds of up to 2.5GHz per core and delivering 150 percent higher

overall performance and 65 percent lower power than currently available ARM-based CPU cores. The [chipset](#) family will incorporate 28nm technology and designed built CPU's and GPUs for the best mobile performance at the lowest possible power consumption.

The single-core MSM8930 will have an integrated LTE modem designed that will be incorporated into smartphones. It will also include the new Adreno 305 GPU which delivers more than six times the performance of the original Adreno GPU.

The [dual-core](#) MSM8960 has integrated multi-mode 3G/LTE modem and has been designed for multi-tasking smartphones and tablets. It includes dual asynchronous CPU cores which can be independently controlled for maximum efficiency. The MSM8960 also supports dual-channel LP DDR memory and features the Adreno 225 GPU which delivers eight times the performance of the original Adreno GPU.

The quad-core APQ8064 has been designed for the next generation of computing and entertainment devices while minimizing power consumption and meeting the performance requirements. The APQ8064 includes four asynchronous CPU cores which can be independently controlled for maximum efficiency. The Adreno 320 quad-core GPU is being launched for the first time in the APQ8064 processor where the user can experience console-quality gaming and a richer user interface.

[Qualcomm](#) has integrated the new Adreno 320 GPU with the Snapdragon so that it can have up to four 3D cores and boosts performance 15 times over the original Adreno chip.

Samples of the Dual-core MSM8960 chips will be available in the second quarter of this year and samples of the single-core MSM8930 and quad-core APQ8063 chips becoming available early 2012.

More information: [Press release](#)

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