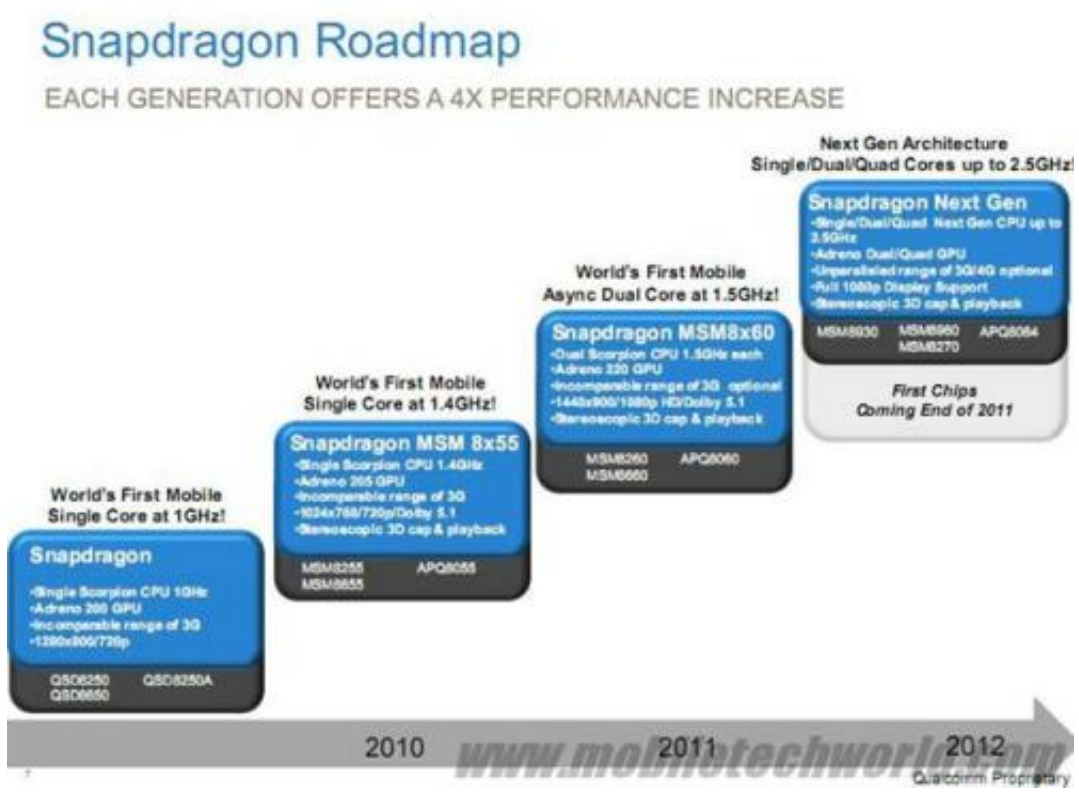
Getting a sneak peek at Qualcomms new processors

April 27 2011, by Katie Gatto



(PhysOrg.com) -- A reporter over at MobileTechWorld happened upon an internal presentation, written by Qualcomm, that tells the story of its upcoming system-on-a-chip technology. It outlines four new chipsets that you can expect to see in the systems of the near future.

The four processors, which will be based on the new Krait architecture, will be called MSM8270, MSM8930, MSM8960, and APQ8064 Snapdragon chips. The processors, which are expected to sample this year and to begin showing up in the works of Qualcomm's partner companies products by the end of this year. The processors are expected to be shown off in single, dual and quad-core CPUs that can be clocked at speeds of up to 2.5GHz.

So, how much real difference will these next generation processors give to the end user? Well, according to the slides that were leaked, the next generation processors are expected to give machines five times greater performance than the existing line of Snapdragon chips. The newer chips will, at the same time, consume significantly less power than the current generation of Snapdragon chips, about 75% less power. That means that these processors could be of use in mobile systems, where power use becomes a serious issue for battery life.

The details get a little sketchy when you begin to talk about graphics. While we do know that these processors will rely on a next-gen Adreno GPU, but we do not know which one. No specific mention has been made of the most likely candidate, the Adreno 3xx. Others have speculated that it may be the Adreno 22x. Either way, the company claims that the system will be capable of delivering both console quality gaming and by able to support 1080p displays.

More information: via Mobiletechworld