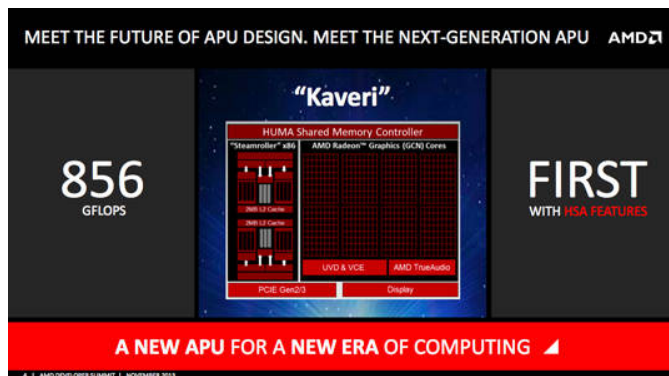


## AMD Details Kaveri APUs

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13 November 2013

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AMD uses the APU13 Developer Summit to reveal further details on "Kaveri," a 3rd generation accelerated processing unit (APU) and the first making use of what the company calls "Heterogeneous Systems Architecture" (HSA).



For readers not in the know an APU combines compute and graphics cores, as well as any number of features (such as audio/video accelerators or encryption) on the same die. The concept makes particular sense with HSA, since the architecture has graphics and compute cores sharing the same memory pool.

In desktop form the Kaveri APU carries up to 4 Steamroller-based CPU cores (2 modules) running at 3.7GHz, while the GPU consists of 8 GCN 1.1 cores clocked at 720MHz, each with 512 processing units.

The combo reaches performance of 856 gigaflops, at least according to a presentation footnote stating "theoretical GFLOPS calculated by AMD as 856 for AMD A10-7850K with AMD Radeon™ R7 Series Graphics. GFLOPS = CPU GFLOPS + GPU GFLOPS = CPU Core Freq (3.7Ghz) x Core count (4) x 8 + GPU Core Freq (720MHz) x Radeon Core (512) x 2."

Kaveri will first ship in desktop (FM2+) form on Q4 2013 before hitting retail shelves from 14 January 2014. AMD will release more details on products for notebook, embedded and server applications later during 2014.

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