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AMD Revolutionizes Compute and UltraHD Entertainment With 2014 AMD A-Series Accelerated Processors

Heterogeneous System Architecture (HSA) Features Enable Groundbreaking Compute Performance and Define Next-Gen Application Acceleration

SUNNYVALE, CA -- (Marketwired) -- 01/14/14 -- AMD (NYSE: AMD) today launched the 2014 AMD A-Series Accelerated Processing Units (APUs), the most advanced and developer friendly performance APUs from AMD to date. The AMD A-Series APUs with AMD Radeon™ R7 graphics, codenamed "Kaveri", are designed with industry-changing new features that deliver superior compute and heart-pounding gaming performance.

New and improved features of the AMD A-Series APUs include:

- Up to *12 Compute Cores* (4 CPU and 8 GPU) unlocking full APU potential(1);
- *Heterogeneous System Architecture (HSA) features*, a new intelligent computing architecture that enables the CPU and GPU to work in harmony by seamlessly streamlining right tasks to the most suitable processing element, resulting in performance and efficiency for both consumers and developers;
- Award-winning *Graphics Core Next (GCN) Architecture* with powerful AMD Radeon™ R7 Series graphics for performance that commands respect and with support for DirectX 11.2(2);
- AMD's acclaimed *Mantle*, an API that simplifies game optimizations for programmers and developers to raise gaming performance to unprecedented levels when unlocked(3);
- *AMD TrueAudio Technology*, 32-channel surround audio delivering the best in audio realism and immersion(4);
- Support for *UltraHD (4K) resolutions* and new video post processing enhancements that will make 1080p videos look even better when upscaled on UltraHD-enabled monitor or TV(5);
- FM2+ socket compatibility for a unifying infrastructure that works with APUs and CPUs.

"AMD maintains our technology leadership with the 2014 AMD A-Series APUs, a revolutionary next generation APU that marks a new era of computing," said Bernd Lienhard, corporate vice president and general manager, Client Business Unit, AMD. "With world-class graphics and compute technology on a single chip, the AMD A-Series APU is an effective and efficient solution for our customers and enable industry-leading computing experiences."

The A10-7850K and A10-7700K APUs will be bundled with EA's Battlefield 4, to bring a first-in-class APU gaming experience(6).

Product Specifications

Model	AMD A10-7850K with Radeon™ R7 Graphics	AMD A10-7700K with Radeon™ R7 Graphics	AMD A8-7600 with Radeon™ R7 Graphics
Price(7)	$173 USD	$152 USD	$119 USD
Power	95W	95W	65W/45W
Compute Cores	12	10	10
CPU Cores	4	4	4
GPU Cores(1)	8	6	6
Max Turbo Core	4.0GHz	3.8GHz	3.8/3.3GHz
Default CPU Frequency	3.7GHz	3.4GHz	3.3/3.1GHz
GPU Frequency	720MHz	720MHz	720MHz
L2 Cache	4MB	4MB	4MB

The AMD A-Series APU processor-in-a-box (PIBs) for the AMD A10-7850K and AMD A10-7700K, which started shipping in Q4 2013, are available starting today. The AMD A8-7600 will be shipping in Q1 2014. Additionally, the AMD Radeon™ R9 2400 Gamer Series memory is tested and certified for AMD A10 APUs, unleashing their full potential with AMD Memory Profile technology (AMP) offering speeds up to 2400MHz. For more information, please visit the Radeon Memory product page.

The AMD A-Series APUs are also available today in PCs from our partner system builders. For more information, please visit our product information page.

Supporting Resources

- Learn more about the 2014 AMD A-Series APUs
- What is a Compute Core? Read our whitepaper
- For developers: learn more about Heterogeneous System Architecture (HSA)
- Find out more about AMD's revolutionary technologies: Mantle and AMD TrueAudio technology
- Become a fan of AMD on Facebook
- Engage with us on Twitter @AMDAPU

About AMD
AMD (NYSE: AMD) designs and integrates technology that powers millions of intelligent devices, including personal computers, tablets, game consoles and cloud servers that define the new era of surround computing. AMD solutions enable people everywhere to realize the full potential of their favorite devices and applications to push the boundaries of what is possible. For more information, visit www.amd.com.

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(1) AMD defines a "Radeon Core" as one Shader/Shader Array. The term "GPU Core" is an evolution of the term "Radeon Core". "GPU Core" is defined as having 4 SIMDS each comprising of 64 Shaders/Shader Arrays. For example, 512 "Radeon Cores" equals 8 "GPU Cores" (8 GPU Cores x 4 SIMDs x 16 Shader Arrays = 512 Radeon Cores). Visit www.amd.com/computecores for more information.
(2) The GCN Architecture and its associated features (AMD Enduro™, AMD ZeroCore Power technology, DDM Audio, and 28nm production) are exclusive to the AMD Radeon™ HD 7700M, HD 7800M and HD 7900M Series Graphics and select AMD A-Series APUs. Not all technologies are supported in all system configurations -- check with your system manufacturer for specific model capabilities.
(3) Mantle application support is required.
(4) AMD TrueAudio technology is offered by select AMD Radeon™ R9 and R7 200 Series GPUs and select AMD A-Series APUs and is designed to improve acoustic realism. Requires enabled game or application. Not all audio equipment supports all audio effects; additional audio equipment may be required for some audio effects. Not all products feature all technologies -- check with your component or system manufacturer for specific capabilities.
(5) Requires 4K display and content. Supported resolution varies by GPU model and board design; confirm specifications with manufacturer before purchase.
(6) Battlefield 4 is valued at MSRP $59.99 USD. Bundle offered while supplies last. For more information, please visit: www.amd.com/battlefield4offer.
(7) SEP as of January 14, 2014.

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Contact:
Bernard Fernandes
AMD Public Relations
(416) 710-3429
bernard.fernandes@amd.com

James Prior
AMD Public Relations
(512) 983-8450
james.prior@amd.com

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