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Designed for Big Data Applications, AMD Announces Industry's First "Supercomputing" Server Graphics Card With 12GB Memory

New AMD FirePro S10000 12GB Edition Graphics Card Is Designed for Heterogeneous Compute Applications Built on OpenCL and Delivers Peak Double Precision Performance

SUNNYVALE, CA -- (Marketwired) -- 11/14/13 -- AMD (NYSE: AMD) today announced the new AMD FirePro™ S10000 12GB Edition graphics card, designed for big data high-performance computing (HPC) workloads for single precision and double precision performance. With full support for PCI Express® 3.0 and optimized for use with the OpenCL™ compute programming language, the AMD FirePro S10000 12GB Edition GPU features ECC memory plus DirectGMA support allowing developers working with large models and assemblies to take advantage of the massively parallel processing capabilities of AMD GPUs based on the latest AMD Graphics Core Next (GCN) architecture. AMD FirePro S10000 12GB Edition GPU is slated for availability in Spring 2014.

The AMD FirePro S10000 12GB Edition graphics card is a compelling solution for a variety of scenarios:

- Compute/Visualization Server: finance, oil exploration, aeronautics and automotive, design and engineering, geophysics, life sciences, medicine and defense
- Double precision: genetic sequencing, computational fluid dynamics, structural mechanics, numeral analytics, reservoir simulation, automated reasoning and weather forecasting
- Single precision: seismic processing, molecular dynamics, satellite imaging, explicit crash test simulation, video enhancement, signal processing, video transcoding, digital rendering and medical imaging
- Ultra High-end Workstation (Requiring GPU compute and 3D graphics performance): Oil and gas, computer aided engineering

"Our compute application customers asked for a solution that offers increased memory to support larger data sets as they create new products and services," said David Cummings, senior director and general manager, Professional Graphics, AMD. "In response, we're announcing the AMD FirePro S10000 12GB Edition graphics card to meet that additional memory demand with support for OpenCL and high-end compute and graphics technologies."

"AMD is proving again to be a key player in providing outstanding 3D graphics and GPGPU compute solutions based on the OpenCL Khronos Group standard for the industry with the announcement of the new AMD FirePro S10000 12GB graphics card," said Nicolas Duny,

VP R&D Technologies, Dassault Systèmes. "AMD is an industry innovator by responding to our customers' needs with cutting edge technology. The AMD FirePro S10000 12GB card will be a welcome addition to the market and to our customers."

"Our customers are always eager for additional memory, so the introduction of the AMD FirePro S10000 12GB Edition graphics card means key applications will finally be able to take advantage of the graphics compute capabilities," said Laurent Bertaux, CEO, CAPS. "As a leading provider of software and solutions for the HPC community, CAPS recognizes that this is a great opportunity for customers to reduce the potential for the bottleneck of data transfer, thus improving overall application performance. CAPS is a long-time AMD supporter so we're pleased that CAPS FORTAN and C compilers for OpenCL can immediately make full use of the 12GB memory offered in this new AMD FirePro solution."

The current AMD FirePro™ S10000 graphics solution with 6GB of GDDR5 memory has received great acclaim. For example, the University of Frankfurt's Institution of Advanced Studies use of the card with the SANAM supercomputer ranks in the top five on the Green500™ List as one of the most powerful and energy-efficient supercomputers powered by graphics processors.

The AMD FirePro™ S10000 with 6GB of memory is currently available for purchase while the AMD FirePro S10000 12GB Edition graphics card is slated for availability in Spring 2014.

Please visit AMD at Supercomputing 13, booth #1113, to see the AMD FirePro S10000 12GB for the latest in GPU compute technology.

Supporting Resources

- Learn more about AMD FirePro
- Learn more about AMD FirePro S-series
- Learn more about AMD and OpenCL
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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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