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AMD Announces the Availability of AMD Opteron 64-Bit ARM-Based Developer Kits

SUNNYVALE, CA -- (Marketwired) -- 07/30/14 -- AMD (NYSE: AMD) today announced the immediate availability of the AMD Opteron™ A1100-Series developer kit, which features AMD's first 64-bit ARM®-based processor, codenamed "Seattle." AMD is the first company to provide a standard ARM Cortex®-A57-based server platform for software developers and integrators. Software and hardware developers as well as early adopters in large datacenters are eligible and can apply on AMD's website.

"The journey toward a more efficient infrastructure for large-scale datacenters is taking a major step forward today with broader availability of our AMD Opteron A1100-Series development kit," said Suresh Gopalakrishnan, general manager and vice president, Server business unit, AMD. "After successfully sampling to major ecosystem partners such as firmware, OS, and tools providers, we are taking the next step in what will be a collaborative effort across the industry to reimagine the datacenter based on the open business model of ARM innovation."

With this announcement, AMD becomes the only provider of 64-bit ARM server hardware with complete ARMv8 instruction set support to foster the development of the ecosystem for efficient storage, Web applications and hosting. AMD is the only provider to offer the standard ARM Cortex-A57 technology.

The AMD Opteron A1100 Series processor supports:

- 4 and 8 ARM Cortex-A57 cores
- Up to 4 MB of shared L2 and 8 MB of shared L3 cache
- Configurable dual DDR3 or DDR4 memory channels with ECC at up to 1866 MT/second
- Up to 4 SODIMM, UDIMM or RDIMMs
- 8 lanes of PCI-Express® Gen 3 I/O
- 8 Serial ATA 3 ports
- 2 10 Gigabit Ethernet ports
- ARM TrustZone® technology for enhanced security
- Crypto and data compression co-processors

The AMD Opteron A1100 development kit is packaged in a microATX form factor and includes:

- An AMD Opteron A1100-Series processor with 4 cores
- 2 Registered DIMM with 16 GB of DDR3 DRAM
- PCI Express® connectors configurable as a single x8 or dual x4 ports
- 8 Serial-ATA connectors
- Compatibility with standard power supplies
- Standard UEFI boot environment

- Linux environment based on Fedora technology from the Red Hat-sponsored Fedora community
- Standard Linux GNU tool chain, including cross-development version
- Platform device drivers
- Apache web server, MySQL database engine, and PHP scripting language for developing robust Web serving applications
- Java 7 and Java 8 versions to enable developers to work in a 64-bit ARM environment

Complete developer kits are available for $2,999 USD.

Supporting Resources

- Apply for the development kit and learn more about the AMD Opteron A1100-Series processor
- Become a fan of AMD on Facebook
- Follow AMD Server on Twitter

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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