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AMD Expands Embedded Computing Offerings With New Multi-Core R-Series CPUs and Discrete AMD Radeon GPU Bundle

High-Performance Embedded CPUs and GPUs Ideal for Compute Intensive Applications and High-End Digital Gaming and Signage

SUNNYVALE, CA -- (Marketwired) -- 08/20/13 -- AMD (NYSE: AMD) today announced new CPU offerings for the AMD Embedded R-Series high-performance computing platform, along with the introduction of a discrete GPU promotional program to provide embedded designers more choices for meeting demanding performance requirements. The new options include quad-core and dual-core CPUs scaling from 2.2 GHz to 3.2 GHz with Thermal Design Power (TDP) ranging from 17 to 35 watts for applications that require high performance x86 compute such as network attached storage (NAS). To address high-end visual needs for applications like digital gaming and signage that require high-performance x86 compute coupled with industry-leading discrete graphics, AMD is introducing a new discrete GPU promotional program that provides customers with both a CPU and discrete GPU for savings of up to 20 percent(1).

The new AMD R-Series CPUs offer up to 2.5X greater performance-per-dollar compared to Intel i3 processors(2). The discrete graphics promotional program combines new AMD R-Series CPUs with discrete AMD Radeon™ E6460 or E6760 graphics for driving up to six independent displays(3). These new options are designed to provide cost-effective solutions for maximum compute and graphics capabilities.

"There is a need for a greater variety of processor and graphics options in several market segments ranging from storage to digital signage and gaming to meet ever growing performance requirements," said Kamal Khouri, director of Embedded Products, AMD. "The AMD Embedded R-Series CPU platform targets performance-intensive embedded applications with a new discrete graphics program to meet the diverse, high-performance requirements of the embedded engineering community. These new choices offer higher compute and graphics throughput plus compelling TCO for the embedded market."

The new AMD Embedded R-Series CPU options are currently available, with products from Advantech, Advantech-Innocore, Aewin, DFI, MSC Embedded, Quixant and other leading original design manufacturers (ODMs). The new orderable part numbers (OPNs) are:

- AMD Embedded R-Series RE464X CPU
  - Quad-core, 35W TDP, CPU freq. 2.3GHz, Max boost freq. 3.2GHz
- AMD Embedded R-Series RE272X CPU
  - Dual-core, 35W TDP, CPU freq. 2.70GHz, Max boost freq. 3.2GHz
- AMD Embedded R-Series RE264X CPU

- Dual-core, 17W TDP, CPU freq. 2.2GHz, Max boost freq. 2.8GHz

Supporting Resources

- Visit the AMD Embedded R-Series Platform site
- Visit the AMD Embedded Solutions blog for more background on the new R-Series
- Get technical support at the AMD Embedded Developer Support site
- For more AMD Embedded products, visit the AMD-Based Embedded Product Catalog

About AMD
AMD (NYSE: AMD) is a semiconductor design innovator leading the next era of vivid digital experiences with its ground-breaking AMD Accelerated Processing Units (APUs) that power a wide range of computing devices. AMD's server computing products are focused on driving industry-leading cloud computing and virtualization environments. AMD's superior graphics technologies are found in a variety of solutions ranging from game consoles, PCs to supercomputers. For more information, visit http://www.amd.com.

(1) Up to 20 percent price savings based on cost of promotional savings versus purchasing the AMD Embedded R-Series CPU and the discrete AMD Radeon™ GPU separately.

(2) System Configuration: AMD R-260H scored 13297 and Intel Core i3-3217U scored 19263, based on EEMBC CoreMark Multi-thread benchmark results. Benchmark result of AMD R-264X was extrapolated based on the score of R-260H taking into account the 100 MHz frequency increase (which equates to a ~4.8% CPU performance improvement or approximately EEMBC score of 13939). DBB price of AMD R-264X and Intel Core i3-3217U is $64 and $225 as of August 1, 2013. AMD R-260H system used AMD DB-FP2 Development Board, 2x2GB DDR3 memory, 500GB SATA Hard Drive, and ran Ubuntu version 12.04. Intel Core i3-3217U system configuration used Intel NUC motherboard, 2x4GB DDR3 memory, 500GB SATA Hard Drive, and ran Ubuntu version 11.10.

(3) AMD Eyefinity technology supports up to six DisplayPort monitors on an enabled graphics card. Supported display quantity, type and resolution vary by model and board design; confirm specifications with manufacturer before purchase. To enable more than two displays, or multiple displays from a single output, additional hardware such as DisplayPort™-ready monitors or DisplayPort 1.2 MST-enabled hubs may be required. Maximum two active adapters supported. See www.amd.com/eyefinityfaq for full details.

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