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AMD Validated Server Program Partners Unveil First Platforms Demonstrating Upcoming Quad-Core AMD Opteron(TM) Processors at Computex Taipei

AMD 'Barcelona' Codenamed Processors Showcased on Server Platforms from Supermicro, TYAN and Uniwide

TAIPEI, Taiwan--(BUSINESS WIRE)--

AMD (NYSE: AMD) today announced three leading vendors attending Computex Taipei are unveiling their server platforms demonstrating the industry's first native x86 quad-core solution, Quad-Core AMD Opteron(TM) processors (codenamed "Barcelona"). "Barcelona" processors are expected to deliver up to 50 to 80 percent performance and performance-per-watt improvements on a broad range of server applications over similar current generation AMD Opteron processors. In addition, these quad-core processors are designed to be drop-in compatible (following a BIOS upgrade) with all existing AMD Opteron processor-based systems using low-power DDR2 memory, while also enabling new platform capabilities such as those being demonstrated today.

Platforms displayed from Supermicro and Uniwide, participants in the AMD Validated Server program, are designed to take advantage of a new feature in "Barcelona" processors called Dual Dynamic Power Management, which delivers power independently to the CPU and to the memory controller to enable even greater performance and better power management.

"As this pinnacle in server processing is unveiled, AMD is thrilled to empower the AMD64 ecosystem to address real priorities such as power management and virtualization to help customers do more with less," said Randy Allen, corporate vice president, Server and Workstation Division at AMD. "Those buying Second-Generation AMD Opteron processors today can take advantage of the seamless upgradeability designed into our high performing Quad-Core AMD Opteron processors when they become available later this year and do so within the same power and cooling infrastructure. This is the level of investment protection and transition planning our customers and the industry have come to expect from AMD."

"As an AMD Validated Server partner, Supermicro delivers feature-rich, technology driven platforms to the system builder channel," said Alex Hsu, Chief Sales and Marketing Officer at Supermicro. "The architecture benefits of AMD's 'Barcelona' processors allow Supermicro to deliver incredible compute density in a 4P blade server featuring 160 cores per 7U enclosure and up to 960 cores per rack. Customers will certainly benefit from the combination of AMD's outstanding performance-per-watt and Supermicro's earth-friendly, high-efficiency designs."

"We commend AMD for its non-disruptive roadmaps, allowing for a smooth upgrade from dual-core to quad-core," said Danny Hsu, president, TYAN. "Streamlining and mitigating the

complexities customers often face when upgrading their IT infrastructure is especially important in today's competitive marketplace. TYAN has collaborated with AMD since 2001, and we will continue to support and take advantage of the customer-centric innovation AMD is offering in its quad-core processors when they are made available later this year."

"At Uniwide, we know how important it is to deliver high-performance, fully supported solutions to the customer," said Daniel Kim, president, Uniwide. "After demonstrating our 'Barcelona' platforms today and knowing about all of its unique features such as superior performance-per-watt capabilities and designed-in seamless upgradeability, it's clear that customer-centric innovation is truly in AMD's DNA."

Another of AMD's key server infrastructure partners is ASUS. "As one of the industry's leading motherboard providers, we eagerly anticipate the widespread availability of AMD quad-core 'Barcelona' processors later this year," said Bernard Cheng, associate vice president, Server Business Unit, ASUS. "AMD's commitment to delivering cutting-edge, native, quad-core processor technology allows us to offer our customers solutions they can truly benefit from such as outstanding performance with innovative power-saving features."

Quad-Core AMD Opteron processors are based on AMD's innovative Direct Connect Architecture and are designed to help customers leverage their existing systems powered by Second-Generation AMD Opteron processors, for transitions that do not require changes to server customers' power and cooling infrastructures. These systems should be seamlessly upgradeable to the upcoming Quad-Core AMD Opteron processors by simply upgrading the BIOS (as made available by the system supplier) and dropping in a new processor, as demonstrated by the TYAN platform on display. Both generations feature the same socket, can use the same chipsets and have the same thermal envelopes. In addition, customers may adopt new platforms that take advantage of Dual Dynamic Power Management. With Dual Dynamic Power Management, the integrated memory controller and CPU cores can be powered by different sources, creating opportunities for performance improvements and increased power savings.

About The AMD Validated Server Program

The AMD Validated Server program enables tested and validated solutions based on AMD64 technology to help solution providers build high-quality, reliable commercial solutions. By leveraging the program, solution providers have the opportunity to lower development costs, streamline development cycles and accelerate overall time to market. For more information on the AMD Validated Server program, visit www.amd.com/validatedserver.

About AMD

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Source: Advanced Micro Devices