CELSIUS V830 workstation with AMD64 technology

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AMD today announced that Fujitsu Siemens Computers, a leading European IT provider, is offering a new series of workstations based on the AMD Opteron processor. The CELSIUS V830 supports the Dual-Core AMD Opteron processor Models 275, 270 and 265, which offer the best overall performance and performance-per-watt available in the market.

This 64-bit workstation is expected to bring leading-edge calculation and graphics performance to users operating in compute-intensive and memory-demanding environments, including engineering, digital content creation, visualization, virtual reality and scientific computing.

“AMD and Fujitsu Siemens Computers have worked closely together to design a powerful and energy-saving platform leveraging AMD’s technology leadership in dual-core processing to address the specific requirements of the professional user,” said Alberto Macchi, vice president of sales, AMD EMEA. “The Dual-Core AMD Opteron processor with Direct Connect Architecture provides the computing capacity to support the growing number of applications typically required by this market segment. Additionally, AMD64 technology protects companies’ software investments by enabling a seamless migration from 32-bit to 64-bit and single- to dual-core computing as business needs evolve.”

AMD64 technology, the gold standard for 64-bit computing, is designed to deliver the higher performance of a multi-core processor in the same

power envelope and the same infrastructure as a single-core AMD64 processor. For workstation customers, this means the Dual-Core AMD Opteron processor provides the best performance-per-watt ratio in the industry1.

The CELSIUS V series offers system performance up to 32 GB DDR SDRAM. The CELSIUS V830 from Fujitsu Siemens Computers consists of a RoHS (Restriction of Hazardous Substances) compliant base unit and a significantly improved housing and thermal management system over prior Fujitsu Siemens Computers workstations. According to information provided by Fujitsu Siemens Computers, this leads to a noise-level reduction of approximately 50 percent over competitive systems.

New workstations leverage AMD PowerNow! technology with Optimized Power Management

The AMD Opteron processor-based CELSIUS V830 benefits from AMD's innovative power management technology, AMD PowerNow! technology with Optimized Power Management (OPM), and is one of the first platforms to enable this innovative technology. AMD PowerNow! technology with OPM can reduce power consumption in enterprises by dynamically changing power states based on workload utilization. This OPM-based flexibility not only can enable lower total operational costs, but also can provide additional work environment benefits:

-- Lower Cost of Ownership: Power-on-demand allows systems to run at optimum performance and power levels.
-- Lower Noise Emission: AMD PowerNow! technology can reduce heat produced by a system's processors, allowing cooling fans to run at reduced speeds and keep noise levels down. The Dual-Core AMD

Opteron processor-based workstation enhances computing capacity without increasing power or physical space requirements.

“Fujitsu Siemens Computers has focused its efforts on developing a workstation platform that offers customers high performance combined with optimized ergonomic features,” said Andreas Thimmel, vice president, Business Clients, Fujitsu Siemens Computers. “The answer is the CELSIUS V830 workstation based on the AMD Opteron processor, offering improved performance for the full range of new graphic applications, along with significantly reduced noise levels. In addition, thanks to Fujitsu Siemens Computers’ attention to green technology, we have worked to eliminate hazardous substances from the entire workstation.”

The CELSIUS V830 uses the latest NVIDIA core-logic media and communications processors (MCP), nForce Professional 2200 and 2050, along with the AMD-8132™ chipset component HyperTransport™ technology PCI-X 2.0 tunnel and offers two x16 PCI Express ports supporting dual, high-end graphics and SLI-enablement. The AMD-8132 chipset component brings high-performance PCI-X 2.0 connectivity to AMD Opteron processor-based systems providing increased throughput, improved RAS (Reliability, Availability, Serviceability) capabilities, robust data management and HyperTransport technology connectivity.

With this introduction, Fujitsu Siemens Computers continues to refine its CELSIUS line-up based on AMD64 technology. Fujitsu Siemens Computers’ customers can now benefit from the leading-edge performance of the industry’s first 64-bit, x86 multi-core processor for servers and workstations. The new Fujitsu Siemens Computers CELSIUS V830 will be available in single- and dual-core configurations starting in August 2005 in Europe, the Middle East and Asia.