

AMD Releases Integrated Hardware And Software Design Solution For Geode NX Processors

AMD today announced availability of the first development board specifically designed for the high-performance, low-power AMD Geode NX processor family, featuring the Mini-ITX form factor and a specialized Silicon Integrated Systems (SiS) chipset. The AMD Geode NX DB1500 development board and reference design was created to simplify product design processes with integrated hardware and software capabilities using high-performance, low-power Geode NX processors. Customers can use the AMD Geode NX DB1500 to develop small form factor devices including thin-client, point-of-sale, or single-board computers or other embedded applications, including entertainment and gaming systems, with outstanding x86 processor performance.

The turnkey development board and design solution from AMD combines a processor, chipset, memory and peripherals together on a single platform along with debugging features and software. Deployed in Microsoft® Windows® XP/XPe, Windows CE.net and Linux operating system environments, and designed to be compatible with a vast array of x86 applications and solutions, the NX DB1500 development board suits the design demands of customers in a multitude of embedded environments.

Using the reference design kit and development platform offered by AMD, design engineers save time during the design and test process, allowing for more resources to be focused on feature and design enhancements.

“Logic is excited to partner with AMD and SiS to provide a development board and single-board computer that reduces time to market for customers seeking low-power, high-performance embedded solutions,” said Eric Harnisch, director of marketing, Logic Product Development. “The AMD Geode NX processor enables Logic to provide customers with a product-ready, low-power, fanless single-board computer that can be immediately integrated into their product. The board was designed to meet the demands of numerous power- and heat-sensitive environments.”

“The addition of the SiS741CX and SiS964 devices on the AMD Geode NX DB1500 development board provides design engineers with integrated systems that address hardware and software needs,” said Daniel Chen, CEO and president, SiS. “We look forward to working with AMD to develop future embedded solutions that continue to meet stringent design requirements.”

“Our customers feel enormous pressure to transform big ideas into little devices,” said Erik Salo, director of marketing, Personal Connectivity Solutions Group, AMD. “The new development board helps design engineers speed through the design phase and get their high performance, fanless products to market — on time and under budget.”

The AMD Geode NX DB1500 development board with advanced SiS chipset technology provides an enhanced development environment with a Mini-ITX form factor, integrated graphics controller, VGA and TFT outputs, and compatibility with both legacy and current PC I/O specifications. These design features provide developers a cost-effective and versatile tool for developing high-performance, low-power, fanless design evaluations.

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