

Complete Low-Power Development Tool

for Embedded and Industrial x86 Applications

Product overview

The AMD Geode™ DBSCII00 development board is a low-power, x86-compatible, Computer On Module (COM) that helps simplify the design and development of embedded or industrial computing products, including set-top boxes and thin-client applications. The complete development board tool includes two separate components: the CPU module board and the base board. This configuration, which can be easily incorporated into a finished product without modification, helps enable developers to quickly create a wide range of products for a variety of applications.

Small form factor with enhanced flexibility

Based on the Kontron ETX Single Board Computer, the small form-factor AMD Geode DBSCII00 development board is ideal for virtually all embedded or industrial applications where low power consumption, small size, performance and reliability are critical. Designers can leverage the two-board configuration for maximum flexibility. Measuring 115mm x 95mm, the AMD Geode DBSCII00 development board features a 266MHz processor capable of running popular x86-based operating systems.

The AMD commitment to low-power x86 technology

The AMD Geode DBSCII00 development board, and other advanced AMD development tools, represent the AMD commitment to low-power, customer-centric solutions for the x86 embedded and industrial marketplace. This development platform provides an integrated suite of support and development capabilities to help reduce development cost and time-to-market for embedded applications.

General product description

AMD Geode™ DBSCII00 development board features:

- Small form factor CPU board and generic base board
- Enhanced IDE interface and sub-ISA interface
- USB, PS2 and PCI interfaces
- LPC and Ethernet interfaces
- Standard audio inputs and outputs
- Power management support
- Multiple operating system capability



Primary product features

- Low-power, x86-compatible processor
- Industry standard form factor
 - ETX CPU module, 115mm x 95mm
 - ATX base board
- Supports standard buses
 - USB I.I (x3)
 - IDE ATA 33
 - AC'97 v2.0
 - LPC, PCI, SMB
- Support for multiple operating systems
 - Microsoft® Windows® CE
 - Linux

Product benefits

- System Design Package – simplified design and engineering helps reduce time-to-market
- Cost-Optimized – facilitates a low total cost of ownership in design/market cycle
- Low-Power System Design – allows smaller form factor designs and reduces heat
- Small Form Factor – minimizes enclosure space

Additional features

- Full schematics
- Complete software driver package for supported OS
- Documentation

