

Complete Low-Power Development Tool

for Embedded and Industrial x86 Applications

Product overview

The AMD Geode™ DBSCI200 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 DBSCI200 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 DBSCI200 development board features a 266MHz processor capable of running popular x86-based operating systems.

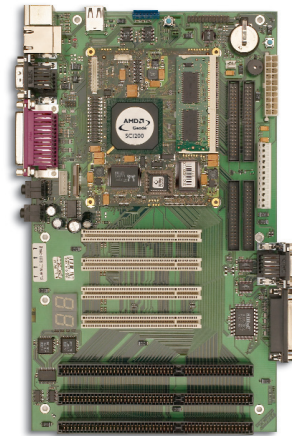
The AMD commitment to low-power x86 technology

The AMD Geode DBSCI200 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™ DBSCI200 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 CRT, NTSC/PAL TV out, TFT, CCIR-656 VIP
- Supports standard buses
 - USB 1.1 (x3)
 - IDE ATA 33
 - AC'97 v2.0
 - Analog RGB (CRT), digital RGB (LCD) or TV Out
 - 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

AMD Geode™ DBSCI200 Development Board

Application markets

The AMD Geode DBSCI200 development board features a flexible design that can address a broad range of embedded devices, including:

- Embedded controllers
- Point-of-Sale terminals
- Educational devices
- Information appliances
- Kiosks

Product support

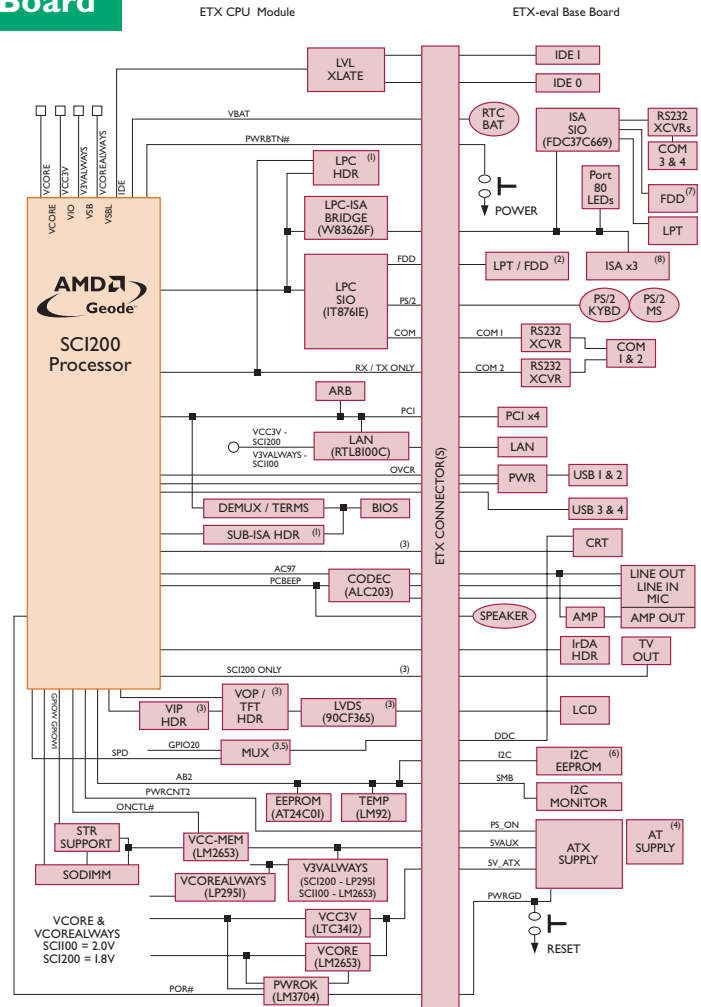
The AMD Geode DBSCI200 development board provides a complete solution, including schematics and documentation. Full integration with AMD Geode Solutions technologies, low power requirements and design flexibility help reduce costly time-to-market and enable more effective, efficient embedded designs.

Processor technical specifications

- AMD Geode™ SCI200 processor, at 266MHz
- 128MB Single Data Rate (SDR) 144-pin SDRAM SODIMM
- 4Mbit Flash BOOT ROM in 32-pin PLCC socket
- On-board voltage regulators for memory, VCC3V, and CPU
- RTC battery
- Support for Suspend-to-RAM
- National Semiconductor LM92 for CPU board temperature monitoring

Notes:

- (1) LPC & Sub-ISA are combined on one header
- (2) Only floppy supported
- (3) SCI200 Only
- (4) Not supported (SVAUX needed for STR)
- (5) Mux needed for DDC / PD conflict
- (6) Not installed
- (7) Not supported
- (8) DMA not supported



About AMD

AMD (NYSE:AMD) designs and produces innovative microprocessors, Flash memory devices and low-power processor solutions for the computer, communications and

consumer electronics industries. AMD is dedicated to delivering standards-based, customer-focused solutions for technology users, ranging from enterprises and governments to individual consumers.

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