

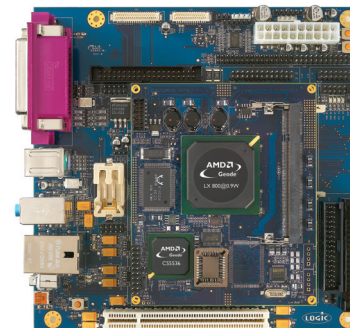
## Low-Power, High-Performance



### Comprehensive development tool for embedded and industrial x86 applications

#### Product overview

The AMD Geode™ LX DB800 development board is a complete Computer-On-Module (COM), x86-compatible development tool designed to enable developers to quickly create embedded or industrial computing products using the AMD Geode™ LX 800@0.9W processor.\* Applications include a variety of set-top boxes and thin-client industrial or embedded consumer products.



#### A complete development system

The LX DB800 development board tool suite includes two separate components: the CPU Module Board and the Base Board. Developers can easily design these components into finished products without modification – simplifying the development process and leading to faster time-to-market cycles.

All components are designed to maximize the low-power, high-performance characteristics of the AMD Geode LX 800@0.9W processor, which provides the highest performance per watt in the industry today.

#### Optimum flexibility with a small form factor

The AMD Geode LX DB800 development board is exceptional for virtually any embedded or industrial application that requires low power consumption, high performance, small size, and reliability. The development board measures 170mm x 170mm and includes a 500MHz processor:

Based on the Logic Product Development design ETX Single Board Computer, the two-board configuration can be leveraged for maximum flexibility. Designed to run all leading x86-based operating systems, the system enables developers to easily use the existing library of x86 application and development software tools.

#### Leverage the AMD commitment to low-power x86 technology

The LX DB800 development board is one element of the full suite of high-performance, low-power tools AMD has developed to apply the power of x86 technology to a variety of consumer electronics. The AMD commitment to x86 gives designers the power to create freely – and develop products for thin-client, embedded, or industrial applications that support all leading operating systems and the universe of x86 programs.

#### General features

- Small form-factor CPU Board and Base Board
- Enhanced IDE interface
- Limited functionality ISA interface (one 8-bit DMA channel)
- PS/2 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
  - Mini-ITX base board, 170mm x 170mm
- Supports CRT, TFT, VIP, VOP
- Supports standard buses
  - USB I.I and 2.0 Support (four ports)
  - USB device
  - IDE ATA I00
  - AC 97 v2.3
  - Analog RGB (CRT), digital RGB (LCD)
  - LPC, PCI, SMB
- Support for multiple operating systems
  - Microsoft® Windows® XP and XPe
  - Microsoft® Windows® CE
  - Linux

\*This processor operates at 500MHz. Model numbers reflect performance as described here: <http://www.amd.com/connectivitysolutions/geodelxbenchmark>

# AMD Geode™ LX DB800 Development Board

## 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

## Application markets

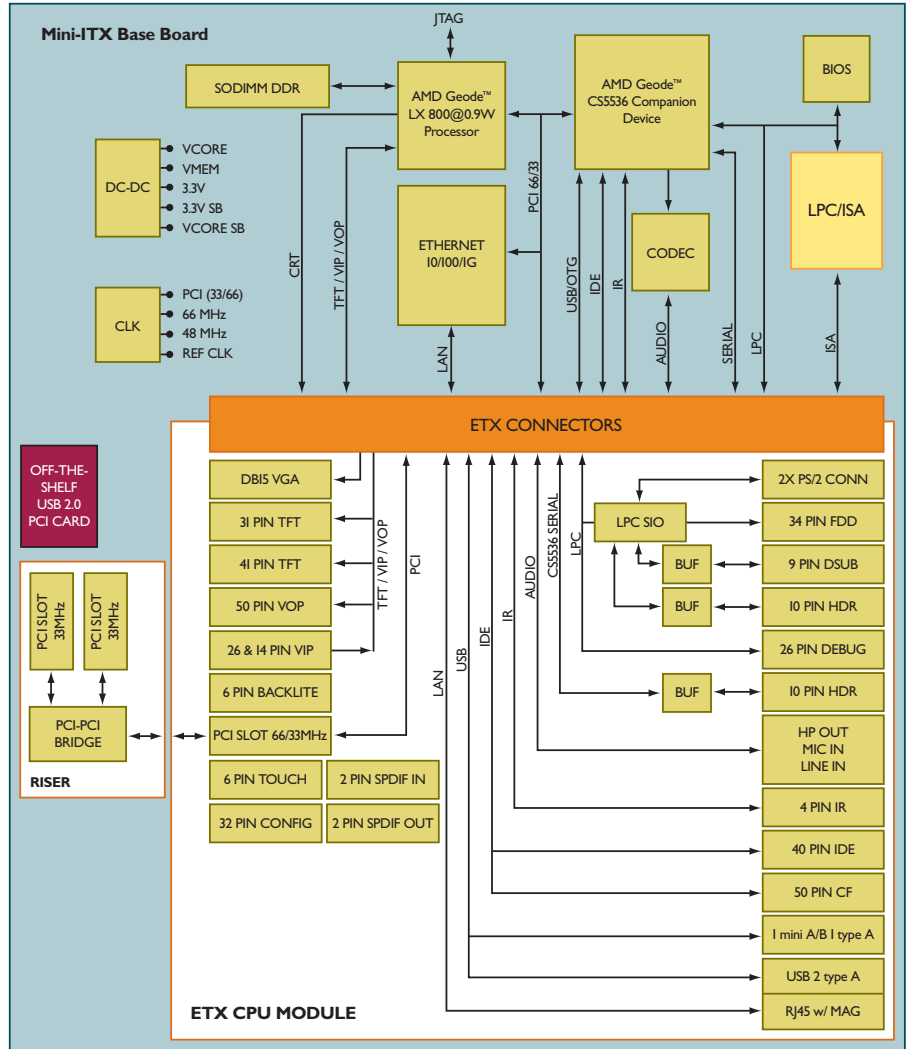
The LX DB800 development board features a flexible design that can address a broad range of embedded devices, including:

- Embedded controllers
- Point-of-sale terminals
- Educational devices
- Information appliances
- Kiosks/voting machines

## Ordering Information

- OPN: LX-DB800-EVAL-KIT

For a demonstration of the AMD Geode LXDB800 development board, please contact your local AMD representative or FAE.



## 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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