



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PRODUCT BRIEF:

Logic :: AMD

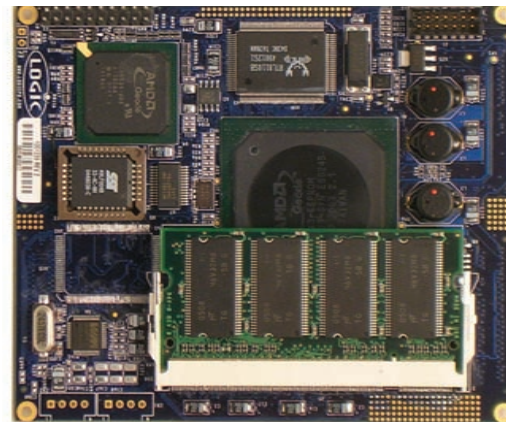
AMD GEODE™ LX 800 System on Module

The AMD Geode LX 800 System on Module (SOM) is a compact, low-power x86, product-ready hardware and software solution that fast forwards your embedded design.

The AMD Geode LX 800 SOM-ETX offers essential features for building small form factor and embedded PC systems. Use of custom baseboards makes the SOM-ETX the ideal foundation for OEMs developing handheld and compact products. The SOM-ETX provides a common reference pin-out on its expansion connectors, which enables easy scalability to next generation microprocessor SOMs when new functionality or performance is required.

Application development is performed right on the product-ready AMD Geode LX 800 SOM-ETX, which enables you to seamlessly transfer your application code and hardware into production.

The AMD Geode LX 800 SOM-ETX is ideal for applications in the medical, point-of-sale, gaming, industrial, and security markets. From patient monitoring and medical imaging, to card payment



AMD GEODE LX 800 SOM-ETX

terminals and bar code readers, to CCTV cameras and intruder alarms, the AMD Geode LX 800 SOM-ETX allows for powerful versatility and long-life products.

GEODE LX 800 SOM-ETX :: HIGHLIGHTS:

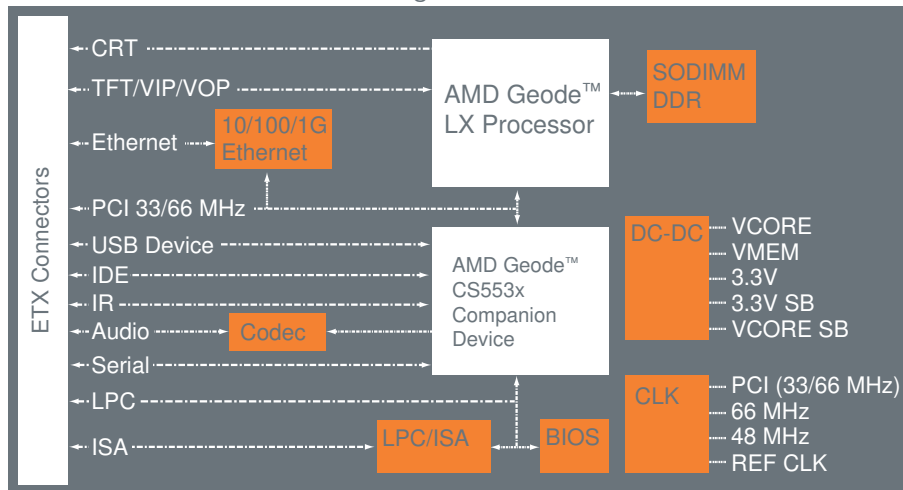
- + Product-ready System on Module
- + Compact form factor based on ETX standard (96 x 115 mm)
- + Operating system drivers available for Microsoft Windows® XP/XPe/CE and Linux
- + Fanless and ultra-low power consumption
- + Long product lifecycle
- + 0°C to 70°C (commercial temp)
- + RoHS compliant

ZOOM™ GEODE LX DB800 :: FEATURES:

- + Mini-ITX application baseboard
- + LX 800 SOM-ETX
- + 256 MB SODIMM
- + CompactFlash interface
- + Low cost
- + See the Zoom™ Geode LX Development Kit product brief for more information



Geode LX SOM-ETX Block Diagram



Block diagram is not drawn to scale. For reference purposes only.

Geode LX SOM-ETX Ordering Information

Logic Model Number	Speed (MHz)	DDR Mem (MB)	Stack Height (mm)
SOMLX800-10-700GCR*	500	256	7
SOMLX800-11-000GCR	500	0	3

*SOMLX800-10-700GCR configuration is only available with development kit and is not available in production quantities.

ZOOM™ Geode LX Development Kit Ordering Information

Model Number	SOM Configuration	Recommended Resale
LX-DB800D-EVAL-KIT	SOMLX800-10-700GCR	\$750

LOGIC WEBSITE :: DESIGN RESOURCES:

- + Logic Technical Support : <http://www.logicpd.com/support/>
- + Technical Discussion Group : <http://www.logicpd.com/support/tdg/>
- + Frequently Asked Questions (FAQ) : <http://www.logicpd.com/support/faq/>
- + For more information contact Logic Sales : product.sales@logicpd.com



embedded product solutions

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Product Features

Processor

- + AMD Geode LX 800 processor running at 500 MHz

SDRAM Memory

- + Supports up to 512 MB—PC2700

Display

- + TFT LCD support up to 1600x1200x32bpp
- + CRT support up to 1920x1440x32bpp at 85Hz

Peripheral Support

- + USB 2.0—three high-speed hosts and one configurable host/device
- + Serial—three RS232, 16C550 compatible ports
- + IDE—UltraATA 133 support
- + Ethernet, 10/100/1G—Realtek 8110SB
- + AC97 audio
- + PCI, 33/66 MHz—2.2 and 3.0 compliant
- + LPC to ISA bridge—Winbond W83626F

Flash Interface

- + Multiplexed with IDE interface supports many industry standard NAND and NOR flash

Operating System Support

- + Microsoft Windows® XP
- + Microsoft Windows® XPe
- + Microsoft Windows® CE
- + Linux

BIOS

- + General Software
- + Insyde Software

Mechanical

- + 96 mm wide x 115 mm long x 12 mm high

RoHS Compliant

