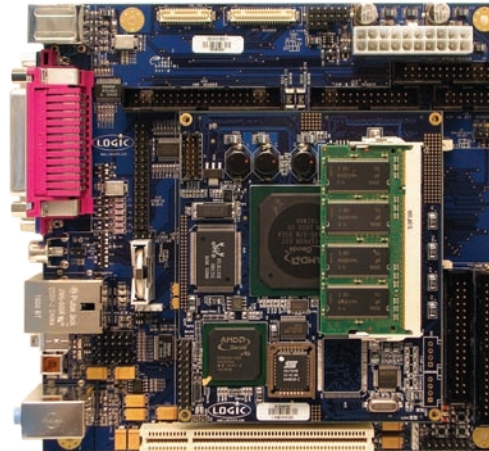# ZOOM™ Geode™ LX DB800 Development Kit

By providing a product-ready software and hardware platform, Logic's embedded product solutions fast forward development and helps your company stay focused on its high-value core technologies. **The Zoom AMD Geode LX DB800 is a low-cost, high-performance x86 application development kit for evaluating the functionality of the AMD Geode LX processor and System on Module (SOM).**

Logic's Geode LX SOM-ETX offers essential features for building small form factor and embedded PC systems. The 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 terminals and bar code readers, to CCTV cameras and intruder alarms, the Geode LX SOM-ETX allows for powerful versatility and long-life products.

By starting their design with the Zoom Geode LX DB800 Development Kit, developers can write application software on the same hardware that will be used in the final product.

ZOOM Geode LX DB800 WITH Geode LX SOM-ETX INCLUDED

The Zoom Geode LX DB800 includes the Geode LX SOM-ETX, mini-ITX application baseboard, and accessories required to immediately begin development work.

ZOOM Geode LX DB800 :: HIGHLIGHTS:

+Mini-ITX application baseboard
+LX 800 SOM-ETX
+256 MB SODIMM
+CompactFlash interface
+Low cost
+RoHS compliant

Geode LX SOM-ETX :: BENEFITS:

+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)
+See the AMD Geode LX 800 SOM product brief for more information

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ZOOM™ Geode LX Development Kit Ordering Information

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

Geode LX SOM-ETX Ordering Information

Model Number	Speed (MHz)	SDRAM (MB)	Stack Height (mm)	Temp
SOMLX800-10-700GCR[1]	500	256	7	0 ℃ to 70 ℃
SOMLX800-11-000GCR	500	0	3	0 ℃ to 70 ℃

1. This configuration is only available with the development kit and is not available in production quantities.

ZOOM™ Display Kit Ordering Information

Model Number	Sharp LCD P/N	Display Size	Display Format	LCD Interface	Key Features
LCD-3.6-QVGA-10R	LQ036Q1DA01	3.6"	QVGA 320x240	TFT	Color, transmissive
LCD-6.4-VGA-10R	LQ64D343	6.4"	VGA 640x480	TFT	Color, transmissive

Note: Zoom Geode LX Development Kits require a separate LCD adaptor board for use with Zoom Display Kits. Please see http://www.logicpd.com/products/displaykits for more information.

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

Product Features

AMD Geode LX SOM-ETX Included

Display Connectors
+Standard TFT output connector
+VGA connector

Audio
+Audio line in / MIC in / headphone out

Network Support
+One RJ45 10/100/1000 Ethernet jack

PC Card Expansion
+One 3.3V PCI slot

IDE Support
+One IDE connector supports an UltraATA 133/100/66/33 IDE hard disk ribbon cable

PS/2 Ports
+One keyboard port and one mouse port

USB
+Three USB 2.0 high-speed hosts
+One configurable USB 2.0 high-speed host/device

Serial Port
+One DB25 parallel port

Parallel Ports
+Three RS-232 level-shifted serial ports (one DB9, two headers)

LPC to ISA Bridge
+Winbond W83626F

SPDIF
+Out/in via headert

Operating System Support
+Windows® XP / XPe / Embedded CE BSPs from AMD
+Linux BSP from AMD

BIOS
+General Software
+Insyde Software

Mechanical
+70 mm wide x 170 mm long x 38.61 mm high

RoHS Compliant

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AMD Geode™

PN: 1003525 Rev C