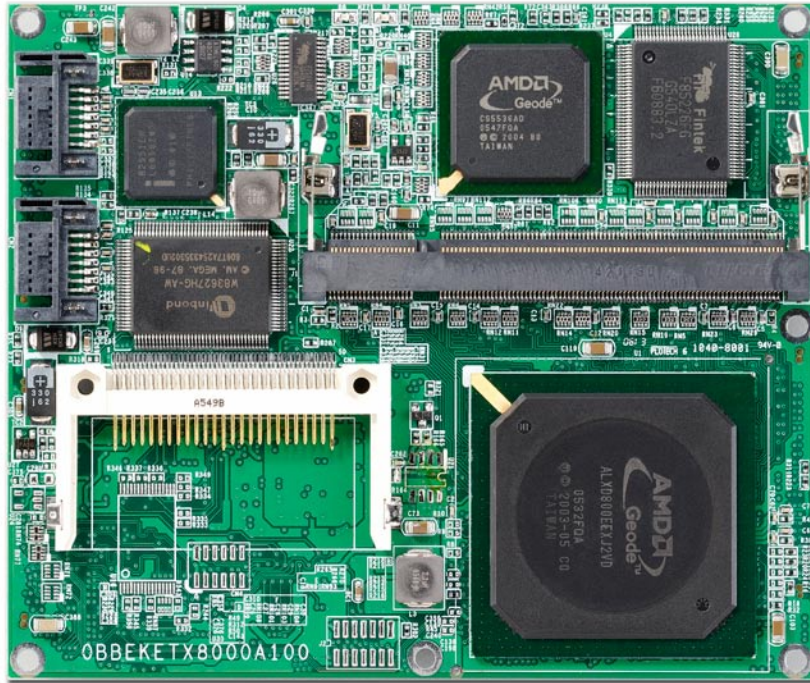# ➤ ETX®-LX

ETX®
ETX® 3.0
Long Term Support

500 MHz @ 0.9W
AMD processor

Microsoft
Windows CE.net

➤ Lowest power consumption with ETX® 3.0 support

➤ DDR SODIMM for maximum memory
➤ RoHS alternative for ETX®-mgx
➤ 2x SATA, 4x USB 2.0, Graphics, CompactFlash, etc.

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➤ Product Overview

The ETX®-LX (Embedded Technology eXtended) is a highly integrated and fast computer-on-module with extreme low power consumption. It is the RoHS alternative for ETX®-mgx and more. It allows, due to the used AMD LX800 processor, the usage of the board without active cooling in applications, where space limitations (the maximum height without heat sink is only 10 mm!) are major requirements. Despite the very little board dimensions, the EXT®-LX offers all standard interfaces such as sound, Ethernet, 2x SATA, 4x USB 2.0 (EHCI) ports, graphic. The AC97 compatible sound chip is supported by most operating systems. For networking purposes the ETX®-LX comes with a 10/100 MBit Ethernet controller.

It also takes advantage of the new ETX 3.0 specification that allow for 2 Serial ATA ports without violating the existing ETX 2.8 pin usage.
You´re looking for a secure and EMI tolerant boot medium and want to be unlimited in your media capacity choice? A CompactFlash™ socket is already mounted on the ETX®-LX and offers you a lot of possibilities. For further expansions two IDE ports with Ultra66 DMA capabilities are available. They do not provide the PCI bus only, the ISA bus signals are also available. A lot of existing ISA boards can still be used via an ISA slot on a baseboard. This avoids expensive redesigns and well proven ISA cards to PCI versions for standard PC motherboards. Despite the unbelievable variety of functionality, the EXT®-LX is a very inexpensive choice, the cost effectiveness of this device is unbeatable.

➤ Technical Information

Processor	
	AMD LX800 CPU 500MHz, with integrated graphic
Chipset	
	AMD GEODE CS5536 Companion Device
DRAM	
	1 DDRAM-SODIMM socket, max. 1GB DDRAM
Cache	
	128KB L2 Cache
Bootable Flash	
	CompactFlash™ socket on board
Sound	
	AC97 controller, line-input / output and microphone
CRT / LVDS Resolution	
	CRT: WUXGA (1920x1440) with 16 Bit; LCD: UXGA (1600x1200)
Serial ATA	
	2x Serial ATA 1.0 (150MB/s)
Serial Interfaces	
	2x TTL (16550 compatible)

Parallel and Floppy Port	
	shared with LPT
Harddisk	
	2x EIDE interface Ultra66 DMA mode
Ethernet	
	PCI-10/100Base-Tx, Intel 82551ER
USB	
	4x USB 2.0 OHCI/EHCI
Dimensions	
	95 x 114 x 10 mm (3.7x4.5x0.4)
Low Power Consumption	
	typ. 7W @ 5V
Temperature (*)	
	operation: 0°C to +60°C, storage: -30°C to +85°C
Humidity	
	operation: 10% to 90%, storage: 5% to 95% (non condensing)

(*) Ask about wider temperature ranges

➤ Ordering Information

Article	Part.-No.	Description
ETX®-LX	18027-0000-50-0	AMD LX800 with 500 MHz, with LVDS and 8 Bit Full ISA I/O support
ETX®-LX	18027-0000-50-1	AMD LX800 with 500 MHz, with digital Interface and 8 Bit Full ISA I/O support
ETX®-LX	18027-0000-50-4	AMD LX800 with 500 MHz, with LVDS and 16 Bit ISA I/O
ETX®-LX	18027-0000-50-5	AMD LX800 with 500 MHz, with digital Interface and 16 Bit ISA I/O
ETX®-LX HSP - threaded	18027-0000-99-0	HSP-LX - Heatspreader for ETX-LX, threaded holes
ETX®-LX HSP - through	18027-0000-99-1	HSP-LX - Heatspreader for ETX-LX, through holes
DDRAM-SODIMM-512MB	97007-5120-00-0	DDRAM-SODIMM memory module with 512 MByte

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