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Find the *Kontron ETX-LX* at our website: ***Click HERE***

kontron

# » ETX®-LX «



ETX® 3.0
Long Term Support

## ETX® 3.0 – setting the standard again!

» AMD Geode™ LX800 and CS5536
» Lowest power consumption
» DDR SODIMM for maximum memory throughput
» ETX® 3.0 – Long Term Support
» 2x SATA, 4x USB 2.0, Graphics, CompactFlash™, etc.

# ETX®-LX

**ETX® 3.0 – setting the standard again!**

The ETX®-LX (Embedded Technology eXtended) is a highly integrated and fast Computer-on-Module with extreme low power consumption. 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.
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.

A CompactFlash™ socket is already mounted on the ETX®-LX and offers you a lot of possibilities. For further expansions two PATA ports with UDMA66 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.

## Technical Information

| | |
|---|---|
| **Processor** | AMD Geode™ LX800 processor 500MHz, with integrated graphic |
| **Cache** | 128 KB L2 Cache |
| **Chipset** | AMD Geode™ CS5536 Companion Device |
| **Memory** | Up to 1 GB DDR-RAM (266/333/400) |
| **Hard Disk** | 2x SerialATA (RAID 0, 1), 1x PATA 100, 1x CompactFlash™ socket on board |
| **USB** | 4x USB 2.0 |
| **Ethernet** | 10/100 MBit Ethernet, Intel® 82551ER |
| **Sound** | ALC203 AC97 controller, line-input / output and microphone |
| **Video Controller** | Integrated in Geode™ LX800, up to 254 MB UMA |
| **LVDS and CRT Resolutions** | LVDS up to UXGA (1600x1200), CRT up to WUXGA (1920x1440) |
| **Other Features** | Parallel/Floppy port shared with LPT |
| **Form Factor** | ETX® 3.0; 95 x 114 x 10 mm |
| **Power Consumption** | Typ. Idle 6.5 W @ 500 MHz, 5V |
| **Form Factor** | ETX® 3.0; 95 x 114 x 10 mm |
| **Temperature (*)** | Operation: 0°C to 60°C<br>Storage: -30°C to 85°C |
| **Humidity** | Operation: 10% to 90%<br>Storage: 5% to 95% (non condensing) |

**(*) Ask about extended temperature ranges**

## Ordering Information

| Article | Part No. | Description |
|---|---|---|
| **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 - trough** | 18027-0000-99-1 | HSP-LX - Heatspreader for ETX-LX, through holes |
| **DDR-SDRAM-SODIMM 256MB** | 97007-2560-00-0 | DDR-SDRAM SODIMM PC2700 memory module with 256 Mbyte |
| **DDR-SDRAM-SODIMM 512MB** | 97007-5120-00-0 | DDR-SDRAM SODIMM PC2700 memory module with 512 Mbyte |
| **DDR-SDRAM-SODIMM 1GB** | 97007-1024-00-0 | DDR-SDRAM SODIMM PC2700 memory module with 1 GByte |


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