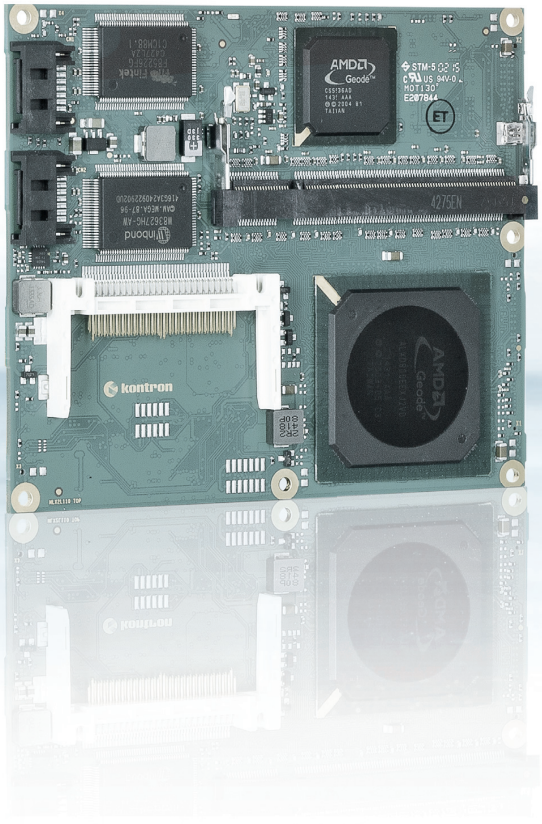
ETX®-LX2



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.

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ETX®-LX2

ETX® 3.0 – SETTING THE STANDARD AGAIN!

The ETX®-LX2 (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®-LX2 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, Davicom DM9102H
SOUND	LM4549B 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 Storage: -30°C to 85°C
HUMIDITY	Operation: 10% to 90% Storage: 5% to 95% (non condensing)

(*) Ask about extended temperature ranges

ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
ETX®-LX2	18041-0000-50-4	AMD LX800 with 500 MHz, with LVDS and 16 Bit ISA I/O
ETX®-LX2	18041-0000-50-5	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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