

ETX[®] Module

Eco Model

conga-ELX

Low power consumption

Featuring AMD[®] Geode[®] LX800

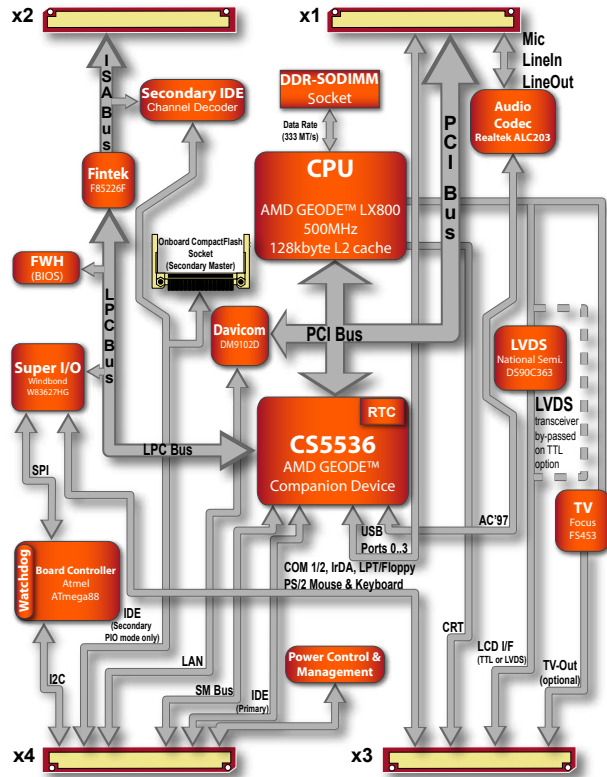
Up to 1 GByte DRAM

ETX[®]



Formfactor	ETX[®] Spec 2.7
CPU	AMD Geode™ LX 800 Processor, 400 MT/s memory bus speed, 128 kByte L2 Cache
DRAM	SO-DIMM PC2700 up to 1 GByte
Chipset	Companion Device: AMD Geode™ CS5536 Ethernet: Davicom DM9102D I/O Controller: Winbond 83627HG Audio Codec: ALC203
Ethernet	IEEE 802.3u 100Base-Tx, Fast Ethernet compatible
I/O Interfaces	1x EIDE (UDMA-66/100), primary, 1x IDE (PIO mode only), secondary 1x CompactFlash Socket onboard, 4x USB 2.0 (EHCI), PCI Bus Rev. 2.1, ISA Bus, I ² C (Fast Mode, 400 kHz, Multi Master), Floppy (Shared with LPT), LPT (EPP/ECP, Shared with Floppy), 2x COM Ports TTL Level, 1x IrDA Port, PS/2 Keyboard, Mouse
Sound	AC'97 Rev.2.2 compatible, Line In, Line Out, Mic In
Graphics	Integrated in chipset up to 254 MByte graphic memory (UMA)
Motion Video Support	H/W Up- and Downscaling, High Definition digital video support, alpha blending and color keying
Flat panel Interface	68 MHz LVDS Transmitter Automatic Panel Detection via EPI Embedded Panel Interface based on VESA EDID™ 1.3 1x18 Bit TFT resolutions 320x240 up to 1024x768 optional direct TTL interface
CRT Interface	350 MHz RAMDAC Resolutions up to 1920x1440x32bpp @ 85 Hz 1600x1200x32bpp @ 100 Hz
TV Out	Optional onboard TV encoder supports HDTV (420p, 720p and 1080i) supports component- and s-video signals on ETX X3 connector
congatec Board Controller	Multi Stage Watchdog, Non-volatile User Data Storage, Manufacturing and Board information, Board Statistics BIOS Setup Data Backup, I ² C (Fast Mode, 400 kHz, Multi Master), Power Loss Control
Embedded BIOS Features	OEM Logo, OEM CMOS Defaults, LCD Control (Auto Detection, Backlight Control), Flash Update, Based on Insyde XpressROM
Power Management	APM 1.2
Operating Systems	Microsoft [®] Windows CE 6.0, Microsoft [®] Windows XP, Microsoft [®] Windows [®] embedded Standard, Linux
Power Consumption	Typ. application 5W @ 5V, see manual for full details, CMOS Battery Backup
Temperature	Operating: 0 .. +60°C Storage: -20 .. +80°C
Humidity	Operating: 10 - 90% r. H. non cond. Storage: 5 - 95% r. H. non cond.
Size	95 x 114 mm (3.7" x 4.5")

Block Diagram conga-ELX



Order Information conga-ELX

Article	PN	Description
conga-ELX/800-LVDS	024477	AMD Geode LX800 and AMD companion chip CS5536 CPU with 500 Mhz, LVDS graphics-interface
conga-ELX/800-TTL	064987	AMD Geode LX800 and AMD companion chip CS5536 CPU with 500 Mhz, TTL graphics-interface
conga-ELX/DD-HSP-B	045458	Heatspreader (Deep drawn stamped), with 2.7mm bore hole
conga-ELX/DD-HSP-T	066558	Heatspreader (Deep drawn stamped), with 2.5mm thread
DDR1-SODIMM-333 (0256MB)	068721	256 MByte DDR1 SODIMM memory module
DDR1-SODIMM-333 (0512MB)	055741	512 MByte DDR1 SODIMM memory module
DDR1-SODIMM-333 (1024MB)	074589	1 GByte DDR1 SODIMM memory module

Engineering Tools / Accessories for ETX®		
conga-EEVAL	033269	Evaluation carrier board for ETX-modules
conga-FPA2	047250	Flatpanel prototype adapter to develop your own flatpanel adapter including cables set.
XTX/ETX-carrierboard-socket-3	400006	Connector for ETX and XTX carrier boards, height 3.0 mm, packing unit 8 pieces
XTX/ETX-carrierboard-socket-9.5	400009	Connector for ETX and XTX carrier boards, height 9.5 mm, packing unit 8 pieces