## ENTRY LEVEL MODEL

# conga-ELXeco



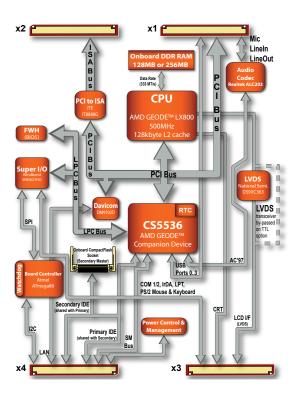
- Onboard DRAM
- ISA bus provided by PCI2ISA bridge
- Featuring AMD® Geode® LX800



Formfactor	ETX® Spec 2.7			
CPU	AMD Geode™ LX 800 Processor 400 MT/s memory bus speed 128 kByte L2 Cache			
DRAM	Up to 256 MByte onboard DDR memory			
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-33)   1x CompactFlash Socket onboard   4x USB 2.0 (EHCl)   PCI Bus Rev. 2.1   ISA Bus generated by PCI2ISA bridge I <sup>2</sup> C (Fast Mode / 400 kHz / Multi Master)   LPT (EPP/ECP)   2x COM Ports TTL Level   x 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			
CRT Interface	350 MHz RAMDAC Resolutions up to 1920x1440x32bpp @ 85 Hz 1600x1200x32bpp @ 100 Hz			
congatec Board Controller	Multi Stage Watchdog   Non-volatile User Data Storage   Manufacturing and Board information   Board Statistics   BIOS Setup Data Backup I <sup>2</sup> 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")			



# conga-ELXeco | Block diagram



### conga-ELXeco | Order Information

Article	PN	Description
conga-ELXeco-128-LVDS	078944	AMD Geode LX800 processor with 500MHz   onboard 128MB RAM   LVDS graphics interface   128kB L2 cache   Companion Chip CS5536AD and ISA bus via PCI to ISA bridge
conga-ELXeco-256-LVDS	085431	AMD Geode LX800 processor with 500MHz   onboard 256MB RAM   LVDS graphics interface   128kB L2 cache   Companion Chip CS5536AD and ISA bus via PCI to ISA bridge
conga-ELXeco-256-TTL	012247	AMD Geode LX800 processor with 500MHz   onboard 256MB RAM   TTL graphics interface (Advantech mapping)   128kB L2 cache Companion Chip CS5536AD and ISA bus via PCI to ISA bridge
conga-ELX/DD-HSP-B	045458	Heatspreader (Deep drawn stamped) for conga-ELX and ELXeco with 2.7mm bore hole
conga-ELX/DD-HSP-T	066558	Heatspreader (Deep drawn stamped) for conga-ELX and ELXeco with 2.5mm thread

#### Accessories

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

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