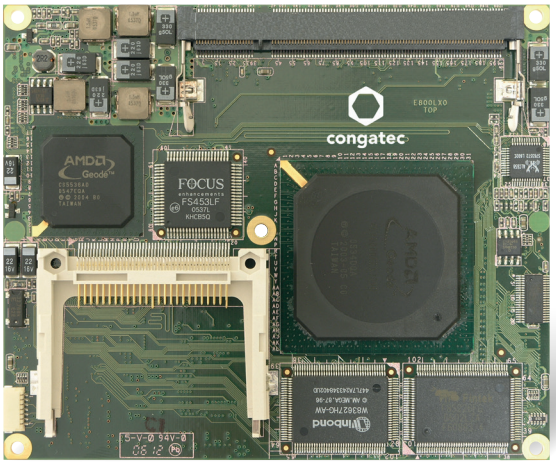
ECO MODEL

conga-ELX

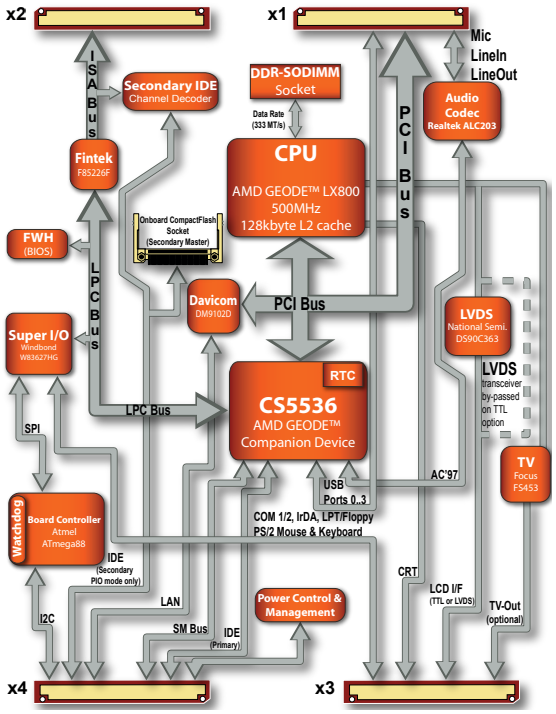


- Low power consumption
- Featuring AMD® Geode® LX800
- Up to 1 GByte DRAM

ETX®

Formfactor	ETX® Spec 2.7
CPU	MD 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 | I²C (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 / 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 I²C (Fast Mode / 400 kHz / Multi Master) | Power Loss Contro
Embedded BIOS Features	OEM Logo | OEM CMOS Defaults | LCD Control (Auto Detection / Backlight Control) | Flash Update | Based on Insyde XpressROMt
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-ELX| Block diagram



conga-ELX | Order Information

Article	PN	Description
conga-ELX/800-LVDS	024477	ETX Module with AMD Geode LX800 and AMD companion chip CS5536 Processor 500MHz | LVDS graphics-interface
conga-ELX/800-TTL	064987	ETX Module with AMD Geode LX800 and AMD companion chip CS5536 Processor 500MHz | TTL graphics-interface
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
DDR1-SODIMM-333 (256MB)	068721	DDR1 SODIMM memory module with 333MT/s and 256MB RAM

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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