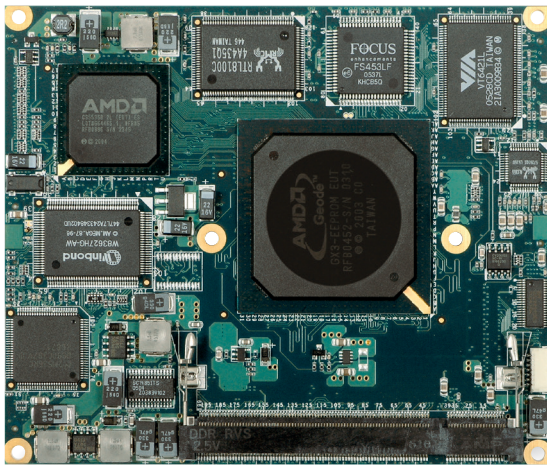


# ENTRY LEVEL MODEL

# conga-XLX

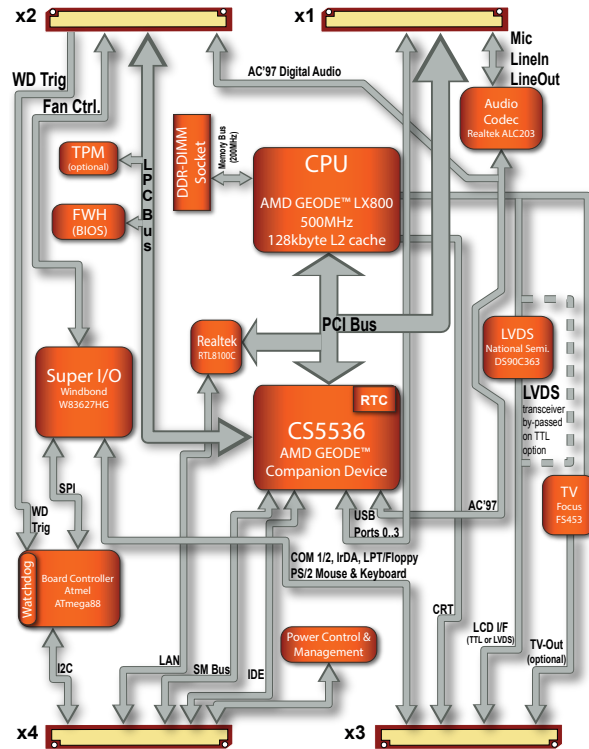


- Entry level module based on AMD Geode® LX800
- Low power consumption
- ACPI Battery Support, Flat Panel detection...



Formfactor	ETX® Spec 2.7, without ISA Support   XTX™ Extensions			
CPU	AMD Geode™ LX 800 Processor	500 MHz	400 MT/s memory bus speed	128 kByte L2 Cache
DRAM	SO-DIMM DDR333/PC2700 up to 1 GByte			
Chipset	Companion Device: AMD Geode™ CS5536   Ethernet: Realtek RTL8100C   I/O Controller: Winbond 83627HG   Audio Codec: ALC658			
Ethernet	IEEE 802.3u 100Base-Tx   Fast Ethernet compatible			
I/O Interfaces	EIDE (UDMA-66/100)   4x USB 2.0 (EHCI)   PCI Bus Rev. 2.1   LPC Bus   I²C (Fast Mode / 400 kHz / Multi Master)   Floppy (Shared with LPT) PT (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   AC'97 digital audio interface			
Graphics	Integrated in chipset   Unified Memory Architecture (UMA)   up to 254 MByte graphic memory space			
Motion Video Support	H/W Up- and Downscaling   High Definition digital video support   alpha blending and color keying			
Flat panel Interface	1x DisplayPort 1.1a shared with HDMI port   resolutions up to 2560x1600 - 18W APU   1920x1200 - 9W APU			
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 I²C (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	Typ. application 5W @ 5V see manual for full details   ACPI 2.0 with Battery support   APM 1.2			
Operating Systems	Microsoft® Windows XP   Microsoft® Windows CE 6.0   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-XLX | Block diagram



# conga-XLX | Order Information

Article	PN	Description
conga-XLX/800-LVDS	057824	XTX module with AMD Geode LX800 and AMD companion chip CS5536 500MHz, LVDS graphics-interface
conga-XLX/800-TTL	084267	XTX module with AMD Geode LX800 and AMD companion chip CS5536 500MHz, TTL graphics-interface
conga-XLX/HSP-B	074215	Heatspreader for conga-XLX. All standoffs are with 2.7mm bore hole
conga-XLX/HSP-T	057821	Heatspreader for conga-XLX. All standoffs are M2.5mm thread
DDR1-SODIMM-333 (256MB)	068721	DDR1 SODIMM memory module with 333MT/s and 256MB RAM

Accessories	PN	Description
conga-Xeval	019482	Evaluation carrier board for XTX-modules
conga-XDVI	098637	Evaluation platform to convert SDVO to DVI-D
conga-Xdebug	041784	XTX debugging platform. Including cable for COM   PS/2 and VGA
conga-FPA2	047250	Flatpanel prototype adapter to develop your own flatpanel adapter Including cables set
XTX/ETX-baseboard-socket-3	400006	Connector for ETX and XTX carrier boards   height 3.0 mm   packing unit 8 pieces
XTX/ETX-baseboard-socket-9.5	400009	Connector for ETX and XTX carrier boards   height 9.5 mm   packing unit 8 pieces
XTX/HDMI/DP	500020	HDMI to DisplayPort convertor for XTX modules including flat foil cable.
SBM3 License and Design Kit	025487	SMART Battery Manager Module Design Kit. Including license agreement for customer intergration   Hardware design files (Schematics / Bill of Material)   Battery Manager Firmware (incl. commented source code) and design review by congatec

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