

Entry Level

Formfactor	COM Express™ Compact, (95 x 95 mm), Type II Connector Layout
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: RTL8110SC(L) (Gigabit)
I/O Interfaces	2x Serial ATA®, 1x EIDE (UDMA-66/100), 4x USB 2.0 (EHCI), PCI Bus Rev. 2.1, no ISA Bus, LPC Bus, I²C (Fast Mode, 400 kHz, Multi Master)
Sound	AC'97 Digital Audio Interface Rev. 2.2
Ethernet	Gigabit Ethernet or, IEEE 802.3u 100Base-Tx
Graphic Interface	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	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
TV Out (optional)	onboard TV encoder, supports HDTV (420p, 720p and 1080i), supports component and s-video
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	ACPI 2.0 with Battery support
Operating Systems	Microsoft® Windows® XP, Windows® 2000, Windows® XP embedded, Windows® CE 5.0/6.0, LINUX, QNX
Power Consumption	typ. application 5.5W @ 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 95 mm² (3.74" x 3.74")

conga-CLX

Entry level COM Express™ Module

Compact size for easy integration

Low power consumption,
Flat Panel detection ...





congatec

the rhythm of embedded computing

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