

# Entry Level Model

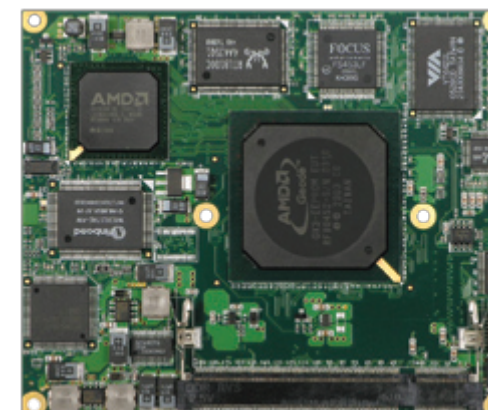
Formfactor	ETX® Spec 2.7. without ISA Support, XTX™ Extensions
<b>CPU</b>	AMD Geode™ LX 800 Processor, 500 MHz, 400 MT/s memory bus speed, 128 kByte L2 Cache
<b>DRAM</b>	SO-DIMM DDR333/PC2700 up to 1 GByte
<b>Chipset</b>	Companion Device: AMD Geode™ CS5536 Ethernet: Realtec RTL8100C I/O Controller: Winbond 83627HG Audio Codec: ALC658
<b>I/O Interfaces</b>	2x Serial ATA® , 2x 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), LPT (EPP/ECP, Shared with Floppy), 2x COM Ports TTL Level, 1x IrDA Port, PS/2 Keyboard, Mouse
<b>Sound</b>	AC'97 Rev.2.2 compatible, Line In, Line Out, Mic In, AC'97 digital audio interface
<b>Ethernet</b>	IEEE 802.3u 100Base-Tx, Fast Ethernet compatible
<b>Graphic Interface</b>	Integrated in chipset, Unified Memory Architecture (UMA), up to 254 MByte graphic memory space
<b>Motion Video Support</b>	H/W Up- and Downscaling, High Definition digital video support, alpha blending and color keying
<b>Flat panel Interface</b>	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
<b>CRT Interface</b>	350 MHz RAMDAC, Resolutions up to, 1920x1440x32bpp @ 85 Hz, 1600x1200x32bpp @ 100 Hz
<b>TV Out</b>	Optional onboard TV encoder, supports HDTV (420p, 720p and 1080i), supports component- and s-video, signals on ETX X3 connector
<b>congatec Board Controller</b>	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
<b>Embedded BIOS Features</b>	OEM Logo, OEM CMOS Defaults, LCD Control, (Auto Detection, Backlight Control), Flash Update, Based on Insyde XpressROM
<b>Power Management</b>	Typ. application 5W @ 5V see manual for full details, ACPI 2.0 with Battery support, APM 1.2
<b>Operating Systems</b>	Microsoft® Windows® XP, Windows® 2000, Windows® XP embedded, Windows® CE 5.0/6.0, LINUX, QNX
<b>Power Consumption</b>	Typ. application 5W @ 5V see manual for full details, CMOS Battery Backup
<b>Temperature</b>	Operating: 0 .. +60°C Storage: -20 .. +80°C
<b>Humidity</b>	Operating: 10 - 90% r. H. non cond. Storage: 5 - 95% r. H. non cond.
<b>Size</b>	95 x 114 mm² (3.7" x 4.5")

## conga-XLX

Entry level module based on  
**AMD® Geode® LX800**

Low power consumption

ACPI 2.0, Battery Support,  
Flat Panel detection ...





#### Headquarter:

**congatec AG**  
Auwiesenstraße 5  
94469 Deggendorf,  
Germany  
Phone +49 (991) 2700-0  
Fax +49 (991) 2700-111  
info@congatec.com  
www.congatec.de

#### Subsidiaries:

**congatec AG Asia Pacific**  
11F-2, 341, Sec 4,  
Zhong Xiao E. Rd.  
106 Taipei City, Taiwan  
Phone +886 2 2775 4645  
Fax +886 2 2775 3263  
sales-asia@congatec.com  
www.congatec.tw

**congatec, Inc.**  
2187 Newcastle Ave, Suite 201  
Cardiff by the Sea,  
CA 92007 USA  
Phone +1 760-635-2600  
Fax +1 760-635-2601  
sales-us@congatec.com  
www.congatec.us

**congatec s.r.o.**  
Brojova 16  
PS 326 00 Plze  
Czech Republic

**www.congatec.com**

© 2009 congatec AG. All rights reserved.

conga, congatec and XTX™ are registered trademarks of congatec AG. Intel, Pentium and Intel Atom are trademarks of Intel Corporation in the U.S. and other countries. COM Express is a registered trademark of PICMG. Express Card is a registered trademark of the Personal Computer Memory Card International Association (PCMCIA). PCI express is a registered trademark of the Peripheral Component Interconnect Special Interest Group (PCISIG). CompactFlash is a registered trademark of the Compact Flash Association. Winbond is a registered trademark of the Winbond Electronics corp. AVR is a registered trademark of the Atmel corporation. ETX is a registered trademark of Kontron Embedded Modules GmbH. AMICORE8 is a registered trademark of American Megatrends inc. Microsoft®, Windows®, Windows NT®, Windows CE and Windows XP® are registered trademarks of Microsoft corporation. VxWorks is a registered trademark of WindRiver. All product names and logos are property of the respective manufacturers.

All data is for information purposes only. Although all the information contained within this document is carefully checked no guarantee of correctness is implied or expressed.

#### Vendite e supporto tecnico Italia

**Contradata Milano S.r.l.**  
Via Solferino 12  
20052 Monza (MB) Italy  
Tel. (+39) 039.2301492  
Fax (+39) 039.2301489  
info@contradata.it  
www.contradata.it



Contradata is a distributor of embedded computer technology and covers the entire Italian territory. The local sales staff is fully capable of helping customers to define their products and configurations. Support is supplied by a strong engineering team whose solid technical background can provide essential assistance to its customers. They're not only limited to hardware solutions but can also provide software assistance when dealing with today's most common operating systems i.e. WinCE, WinXPE and Linux.