

XTX™ Module

Economy Model

conga-X915

Based on Intel® 915 chipset

Featuring Intel® Pentium® M
up to 1.8 GHz

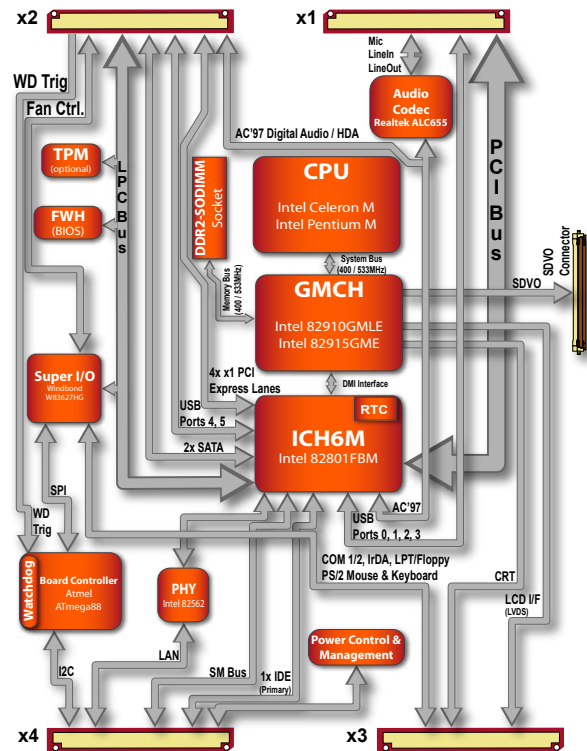
ACPI Battery Support,
Flat Panel detection



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|----------------------------------|---|
| Formfactor | ETX® Spec 2.7. without ISA Support, XTX™ Extensions |
| CPU | Intel® Pentium® M 745 1.8 GHz, 2 MByte cache, FSB 400 MHz Intel® Pentium® M 738 1.4 GHz, LV, 2 MByte cache, FSB 400 MHz Intel® Celeron® M 373 1.0 GHz, ULV, 512 k cache, FSB 400 MHz Intel® Celeron® M 600 MHz, ULV, 512 kByte cache, FSB 400 MHz (Intel® 910GML E Chipset) |
| DRAM | SO-DIMM DDR2 DDR400/PC3200 up to 2 GByte |
| Chipset | Graphics & Memory Controller Hub: Intel® 915GME I/O Controller Hub: Intel® 82801FBM (ICH6-M) I/O Controller: Winbond 83627HG Ethernet PHY: Intel® 82562 |
| Ethernet | IEEE 802.3u 100Base-Tx, Fast Ethernet compatible |
| I/O Interfaces | 4x PCI Express™ Lanes, 2x Serial ATA* (AHCI), 1x EIDE (UDMA-66/100), 2x Express Card* (uses 2x USB & 2x PCI Express), 6x USB 2.0 (EHCI), PCI Bus Rev. 2.3, no ISA Bus, LPC Bus, I²C Bus, 400 kHz, 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, Digital High Definition Audio Interface with support for multiple audio codecs |
| Graphics | Enhanced 256 Bit 3D Video Controller, Intel® Graphics Media Accelerator 900, 533 MHz Memory Clock, max. 128 MByte 64 Bit Video RAM (DVM T 3.0), Two independent pipelines for full dual view support |
| Motion Video Support | Motion Compensation, Subpicture Support, Dynamic Bob & Weave, HDTV (1920x1080) Support |
| Flat panel Interface | Dual 112 MHz LVDS Transmitter, Supports all 1x18, 2x18, 1x24, 2x24 Bit, VESA- and openLDI-Mappings, Resolutions 640x480 up to 1920x1200, Automatic Panel Detection via EPI, (Embedded Panel Interface, based on VESA EDID™ 1.3) |
| CRT Interface | 400 MHz RAMDAC, Resolutions up to 2048x1536 @ 75 Hz, (QXGA), including 1920x1080 @ >85 Hz (HDTV) |
| AUX Output | 2x SDVO |
| 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), Serial Port Console Redirection, for Remote Setup and Installation, Flash Update, Based on AMIBIOS® |
| Security | The conga-X915 can be optionally equipped with a discrete "Trusted Platform Module" (TPM). It is capable of calculating efficient hash and RSA algorithms with key lengths up to 2,048 bits and includes a real random number generator. Security sensitive applications such as gaming and e commerce will benefit also with improved authentication, integrity and confidence levels. |
| Power Management | ACPI 2.0 with Battery support |
| Operating Systems | Microsoft® Windows XP, Microsoft® Windows CE 6.0, Microsoft® Windows® embedded Standard, Windows Embedded Compact 7, Linux |
| Power Consumption | Typ. application 6.5W @ 5V, (1 GHz Celeron® M), 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") |

Block Diagram conga-X915

Order Information conga-X915



| Article | PN | Description |
|--------------------------|--------|--|
| conga-X915/CM600-512 eco | 013410 | Intel 910GML and Intel Celeron M with 600MHz |
| conga-X915/CM1000-0 eco | 023557 | Intel 910GML and Intel Celeron M ULV-CPU with 1.0 Ghz |
| conga-X915/373 | 098634 | Intel 915GME and Intel Celeron M 373 |
| conga-X915/738 | 075643 | Intel 915GME and Intel Pentium M 738 |
| conga-X915/745 | 012041 | Intel 915GME and Intel Pentium M 745 |
| conga-X915+X945/HSP-B | 062579 | Heatspreader , Standoff with 2.7mm bore hole |
| conga-X915+X945/HSP-T | 011278 | Heatspreader, Standoff with M2.5mm thread |
| conga-X915+X945/CSP-B | 024873 | Standard passive cooling solution, black surface with 10mm fins, bore hole standoffs |
| conga-X915+X945/CSP-T | 073258 | Standard passive cooling solution, black surface with 10mm fins, thread standoffs |
| conga-X915+X945/CSA-B | 088741 | Standard active cooling solution, black surface with 10mm fins, integrated 12V fan 5500rpm, cable length 200mm, w/3 pin, 2.54 pitch connector, bore hole standoffs |
| conga-X915+X945/CSA-T | 036198 | Standard active cooling solution, black surface with 10mm fins, integrated 12V fan 5500rpm, cable length 200mm, w/3 pin, 2.54 pitch connector, thread standoffs |
| DDR2-SODIMM-667 (512MB) | 057841 | DDR2-SODIMM memory module with 512MB RAM (667 MT/s) |
| DDR2-SODIMM-667 (1GB) | 087412 | DDR2-SODIMM memory module with 1GB RAM (667 MT/s) |
| DDR2-SODIMM-667 (2GB) | 068712 | DDR2-SODIMM memory module with 2GB RAM (667 MT/s) |

Engineering Tools / Accessories for XTX*

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| conga-Xeval | 019482 | Evaluation carrier board for XTX-modules |
| conga-XXKIT | 077441 | XTX-Starterkit with conga-XEVAL, conga-Xdebug, conga-FPA2, conga-XDVI, Power supply, USB-Stick, ...Without XTX-module |
| 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 |
| conga-LDVI/EPI | 011115 | LVDS to DVI adapter board for digital flat panels with a graphics resolution up to 1280x1024 pixel |

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Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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