



# conga - B915

- Economy priced COM Express™ modules
- Performance up to 1.5 GHz Intel® Celeron® M
- ACPI Battery Support, Flat Panel detection ...

**COM Express**



conga-B915	
<b>Formfactor</b>	COM Express™ Basic, (95 x 125 mm), Type II Connector Layout
<b>CPU</b>	Intel® Celeron® M 370 1.5 GHz, 1 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
<b>DRAM</b>	SO-DIMM DDR2 DDR533/PC4200 up to 2 GByte
<b>Chipset</b>	Graphics & Memory Controller Hub: Intel® 910GMLE I/O Controller Hub: Intel® 82801FBM (ICH6-M)
<b>Ethernet</b>	Gigabit Ethernet, Realtek RTL8111
<b>I/O Interfaces</b>	3x PCI Express™ x1 Lanes, PCI Express Graphic (PEG x16, 915 GME versions only), 2x Serial ATA® (AHCI), 1x EIDE (UDMA-66/100), 2x Express Card® (uses 2x USB & 2x PCIe), 8x USB 2.0 (EHCI), PCI Bus 33 MHz Rev. 2.3, LPC Bus, I²C (Fast Mode, 400 kHz, Multi Master)
<b>Sound</b>	AC'97 Rev.2.2 Compatible, Digital High Definition Audio Interface with support for multiple audio codecs
<b>Graphic Interface</b>	Enhanced 256 Bit 3D Video Controller, Intel® Graphics Media Accelerator 900, 533 MHz Memory Clock, max. 128 MByte 64 Bit Video RAM (DVM 3.0)
<b>Full Dual View</b>	With two independent Pipelines
<b>Motion Video Support</b>	Motion Compensation, Subpicture Support, Dynamic Bob & Weave, HDTV (1920x1080) Support
<b>Flat panel Interface</b>	Dual 112 MHz LVDS Transmitter, Supports all 1x18, 2x18, 1x24, 2x24 Bit, VESA- and openLDI-Mappings, Resolutions 640x480 up to 1600x1200, Automatic Panel Detection via EPI, (Embedded Panel Interface, based on VESA EDID™ 1.3)
<b>CRT Interface</b>	400 MHz RAMDAC, Resolutions up to 2048x1536@75 Hz, (QXGA), including 1920x1080@>85 Hz (HDTV)
<b>AUX Output</b>	2x SDVO (shared with PEG port)
<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)
<b>Embedded BIOS Features</b>	OEM Logo, OEM CMOS Defaults, LCD Control, (Auto Detection, Backlight Control), Flash Update, Based on AMIBIOS®
<b>Security (optional)</b>	TPM 1.2/TPA Security Functions, for Hash, RSA, Keys and Random Numbers
<b>Power Management</b>	ACPI 2.0 with Battery support
<b>Operating Systems</b>	Microsoft® Windows XP, Windows 2000, Windows XP embedded, Microsoft® Windows® CE 5.0/6.0, LINUX, QNX
<b>Power Consumption</b>	Typ. application: 6.5 W@12V, (Intel® Celeron® M 1 GHz), 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 125 mm² (3.74" x 4.92")



# congatec

the rhythm of embedded computing

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