

COM Express Basic Module

Economy Class

conga-B915

Economy priced COM Express™ modules

Performance up to 1.5 GHz
Intel® Celeron® M

ACPI Battery Support,
Flat Panel detection ...



Formfactor	COM Express™ Basic, (95 x 125 mm), Type II Connector Layout
CPU	Intel® Celeron® M 370 1.5 GHz, 1 MB cache, FSB 400 MHz Intel® Celeron® M 373 1.0 GHz, ULV, 512 KB cache, FSB 400 MHz Intel® Celeron® M 600 MHz, ULV, 512 KB cache, FSB 400 MHz
DRAM	SO-DIMM DDR2 DDR400/PC4200 up to 2 GByte
Chipset	Graphics & Memory Controller Hub: Intel® 910GML E I/O Controller Hub: Intel® 82801FBM (ICH6-M)
Ethernet	Gigabit Ethernet, Realtek RTL8111
I/O Interfaces	3x PCI Express™ Lanes, PCI Express Graphic (PEG x16), 2x Serial ATA* (AHCI), 1x EIDE (UDMA-66/100), 2x Express Card* (uses 2x USB & 2x PCI Express), 8x USB 2.0 (EHCI), PCI Bus 33 MHz Rev. 2.3, LPC Bus, I²C (Fast Mode, 400 kHz, Multi Master)
Sound	AC'97 Rev.2.2 Compatible, 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), Flash Update, Based on AMIBIOS®
Security	The conga-B915 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® embedded Standard, Microsoft® Windows CE 6.0, Microsoft® Windows Embedded Compact 7, Linux
Power Consumption	Typ. application: 6.5 W @ 12V, (Intel® Celeron® M 1 GHz), 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 125 mm (3.74" x 4.92")

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