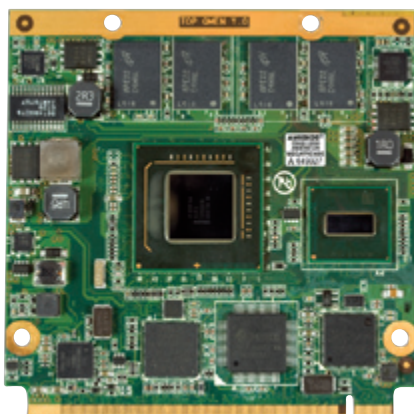# conga-QA

Module for ultra mobile applications

Lowest power consumption

Fast serial differential interfaces for high data bandwidth

Original size (70 x 70 mm², 2¾" x 2¾")

Ultra Mobile

Ultra compact Qseven™ module based on Intel® Atom™ Processor Z5xx

Formfactor	**Qseven Form Factor, 70x70 mm²**
CPU	Intel® Atom™ processor Z530 1.6 GHz, 533 MHz FSB and memory bus speed, 512k L2 cache, 45 nm, with Hyper-Threading Technology Intel® Atom™ processor Z510 1.1 GHz, 400 MHz FSB and memory bus speed, 512k L2 cache, 45 nm
DRAM	Up to 2 GByte on-board DDR2 memory with 400/533 MT/s
Chipset	Intel® SCH US15W
I/O Interfaces	8x USB 2.0, 1x SATA, 1x SDIO, 1x PCIe, I²C Bus, 1x USB client
Mass Storage	On-board ATA Solid State Drive up to 4 GByte (optional)
Sound	Intel® High Definition Audio (Intel® HD Audio)
Ethernet	Gigabit Ethernet Realtek RTL8111
Graphic Interface	Intel® Graphics Media Accelerator 500 (Intel® GMA 500), up to 256 MByte frame buffer supporting Direct X 9.0E and Open GL 2.0
Video Decode Acceleration	Full hardware acceleration for MPEG2, MPEG4, H.264, WMV9 and VC1
Display Interfaces	Single channel 112MHz LVDS transmitter, support for flat panels with 1x18 and 1x24 bit data mapping up to resolutions of 1366x768 pixel Single channel SDVO interface, supports resolutions up to 1280x1024 pixel Dual independent display support
congatec Board Controller	Multi Stage Watchdog, non-volatile User Data Storage, Manufacturing and Board information, Board Statistics, BIOS Setup, Data Backup, I²C bus (fast mode, 400 kHz, multi-master), Power Loss Control
Embedded BIOS Features	OEM Logo, OEM CMOS Defaults, LCD Control, Display Auto Detection, Backlight Control, Flash Update, based on AMIBIOS8®
Power Management	ACPI 3.0 compliant, Smart Battery Management
Operating Systems	Windows® XP, Windows® XP embedded, Windows® CE 6.0, LINUX, QNX
Power Consumption	Typ. application ~5 Watt @ 5V
Temperature	Operating: 0 to +60°C Storage: -20 to +80°C, extended temperature versions in preparation
Humidity	Operating: 10 to 90% r. H. non cond. Storage: 5 to 95% r. H. non cond.
Size	70 x 70 mm² (2¾" x 2¾")

congatec

the rhythm of embedded computing

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