

Qseven® Module Ultra Mobil

conga-QA

Module for ultra mobile applications

Lowest power consumption

Fast serial differential interfaces for high data bandwidth

Q S E V E N



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

Formfactor	Qseven Form Factor, 70x70 mm
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 1 GByte on-board DDR2 memory with 400/533 MT/s
Chipset	Intel® SCH US15W
Ethernet	Gigabit Ethernet Realtek RTL8111
I/O Interfaces	8x USB 2.0, 1x SATA, 1x SDIO, 1x PCIe, I ² C Bus, 1x USB client, LPC bus
Mass Storage	On-board ATA Solid State Drive up to 4 GByte (optional)
Sound	Intel® High Definition Audio (Intel® HD Audio)
Graphics	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
Motion Video Support	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, I ² C 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 AMIBIOS [®]
Power Management	ACPI 3.0 compliant, Smart Battery Management
Operating Systems	Microsoft® Windows7, 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
Humidity	Operating: 10 to 90% r. H. non cond. Storage: 5 to 95% r. H. non cond.
Size	70 x 70 mm (2¾" x 2¾")

