

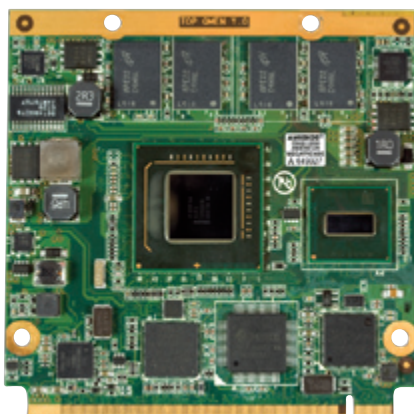
conga-QA

Module for ultra mobile applications

Lowest power consumption

Fast serial differential interfaces for high data bandwidth

Q S E V E N



Original size (70x70 mm², 2¾"x2¾")

Ultra Mobile

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

Formfactor	Qseven Form Factor, 70x70 mm ²
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, I ² C 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, 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	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 mm ² (2¾" x 2¾")



congatec

the rhythm of embedded computing

Headquarter:

congatec AG

Auwiesenstraße 5
94469 Deggendorf,
Germany

Phone +49 (991) 2700-0

Fax +49 (991) 2700-111

info@congatec.com

www.congatec.de

Subsidiaries:

congatec AG Asia Pacific

11F-2, 341, Sec 4,
Zhong Xiao E. Rd.
106 Taipei City, Taiwan

Phone +886 2 2775 4645

Fax +886 2 2775 3263

sales-asia@congatec.com

www.congatec.tw

congatec, Inc.

2187 Newcastle Ave, Suite 201
Cardiff by the Sea,
CA 92007 USA

Phone +1 760-635-2600

Fax +1 760-635-2601

sales-us@congatec.com

www.congatec.us

congatec s.r.o.

Brojova 16
PS 326 00 Plzeň
Czech Republic

www.congatec.com

© 2009 congatec AG. All rights reserved.

conga, congatec and XTX™ are registered trademarks of congatec AG. Intel, Pentium and Intel Atom are trademarks of Intel Corporation in the U.S. and other countries. COM Express is a registered trademark of PICMG. Express Card is a registered trademark of the Personal Computer Memory Card International Association (PCMCIA). PCI express is a registered trademark of the Peripheral Component Interconnect Special Interest Group (PCISIG). CompactFlash is a registered trademark of the Compact Flash Association. Winbond is a registered trademark of the Winbond Electronics corp. AVR is a registered trademark of the Atmel corporation. ETX is a registered trademark of Kontron Embedded Modules GmbH. AMICORE8 is a registered trademark of American Megatrends inc. Microsoft®, Windows®, Windows NT®, Windows CE and Windows XP® are registered trademarks of Microsoft corporation. VxWorks is a registered trademark of WindRiver. All product names and logos are property of the respective manufacturers.

All data is for information purposes only. Although all the information contained within this document is carefully checked no guarantee of correctness is implied or expressed.