

» For Immediate Release «

Kontron brings Intel® Atom™ record breaking performance per watt into CompactPCI® systems

EN50155 compliant reliability, soldered components and ultra low TDP for harsh environments



Eching, Germany, September 15, 2009 – Kontron is bringing record-breaking performance per watt to [3U CompactPCI®](#) systems with the launch of the longtime available processor board [Kontron CP305](#) with Intel® Atom™ processor. The rugged Kontron CP305 features EN50155 compliant reliability and extremely low TDP (Thermal Design Power), soldered processor, chipset and RAM for harsh environments.

Equipped with the 1.6 GHz Intel® Atom™ processor N270, Intel® 945GSE plus ICH7M chipset and up to 2 GByte of soldered DDR2 memory the Kontron CP305 has a typical power consumption of only 10 Watt. This is less than half compared to earlier generations with identical performance. Designed for reliable operation in a temperature range from 0 to 60°C for convection cooled environments, the new CompactPCI® board powers energy critical and in-vehicle mobile embedded applications in the [transportation](#), [automation](#), [energy](#), [military and aerospace](#) markets. A version for the extended temperature range is also planned.

Despite its rugged low-power design, Kontron's latest CompactPCI® CPU-board offers a comprehensive set of interfaces: On board the Kontron CP305 are 2 x Gbit Ethernet, up to 6 x USB

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2.0, two SATA interfaces, and a CompactFlash socket. The graphics accelerator, integrated into the Mobile Intel 945GSE Express chipset, provides excellent 2D, 3D, and video features for the VGA connector on the front. The 3U CompactPCI® CPU board is available as single slot (4HP) or dual slot (8HP). Engineers profit from the 8HP version by additional features including COM, PS/2, DVI on the front for dual monitor operation and a 2.5" SATA hard disk interface to mount a HDD or SSD required for harsher environments.

The Kontron CP305 features integrated board support packages for Linux, Microsoft Windows XP, XP embedded and VxWorks. Samples of the Kontron CP305 3U [CompactPCI®](#) processor board are available now. Full production is scheduled for end of 2009.

More on the Kontron CP305 CompactPCI® CPU board:

<http://www.kontron.com/products/boards+and+mezzanines/3u+compactpci/x86+processor/cp305.html>

More about 3U CompactPCI®:

<http://www.kontron.com/products/boards+and+mezzanines/3u+compactpci/>

More about CompactPCI®: <http://www.kontron.com/cpci>

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About Kontron

Kontron designs and manufactures embedded and communications standards-based, rugged COTS and custom solutions for OEMs, systems integrators, and application providers in a variety of markets. Kontron engineering and manufacturing facilities, located throughout Europe, North America, and Asia-Pacific, work together with streamlined global sales and support services to help customers reduce their time-to-market and gain a competitive advantage. Kontron's diverse product portfolio includes: boards & mezzanines, Computer-on-Modules, HMI's & displays, systems & platforms, and rugged & custom capabilities.

Kontron is a Premier member of the Intel® Embedded and Communications Alliance and has been a VDC Platinum Vendor for Embedded Computer Boards 5 years running. Kontron is listed on the German TecDAX stock exchange under the symbol "KBC". For more information, please visit: <http://www.kontron.com>

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Contact Details

EMEA

Norbert Hauser
Kontron
Tel: +49 (8341) 803-0
norbert.hauser@kontron.com

Michael Hennen
SAMS Network
Tel: +49 (2405) 45267-20
michael.hennen@samsnetwork.com

Americas

Richard Pugnier
Kontron
Tel: +1 (858) 623-3006
richard.pugnier@us.kontron.com

Annette Keller
Keller Communications
Tel: +1 (949) 640-4811
annetekeller@sbcglobal.net

APAC

Tom Meyer
Kontron
Tel: +86 (10) 6375 1188 ext 233
tom.meyer@kontron.com

Michael Hennen
SAMS Network
Tel: +49 (2405) 45267-20
michael.hennen@samsnetwork.com

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