

» For Immediate Release «

## Kontron boosts 3U CompactPCI® line with latest 45nm Intel® Core™2 Duo processor

Kontron CP308 offers even higher performance without exceeding thermal envelopes



Kontron CP308



**Eching/Nuremberg, Germany, March 3, 2009** - Kontron introduces the [Kontron CP308](#), a high-performance [3U CompactPCI® CPU board](#) equipped with the 45nm Intel® Core™2 Duo processor, Intel® GS45 Graphics and Memory Controller Hub and Intel® I/O Controller Hub ICH9M. The scalable Kontron CP308 with 45nm technology excels over 65nm designs with up to 50 percent more L2 cache (6MB) and a 60 percent faster FSB (1066MHz) with similar or lower energy consumption.

The Kontron CP308 offers scalable 45nm CPU performance to suit the individual requirements of a wide range of applications that demand energy efficient dual-core performance such as, for example, image and video processing as well as robotic and other real-time applications. Performance ranges from the high-end 2.26 GHz version with 1066 MHz FSB for compute intensive solutions and the low power 1.86 GHz version with 1066 MHz FSB for energy sensitive applications to the ultra low power 1.2 GHz version with 800 MHz FSB for applications where power dissipation is critical.

“The new Kontron CP308 3U CompactPCI® board increases system performance while maintaining stable thermal design power or reduces system cooling investments without comprising

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performance.” explains Norbert Hauser, VP Marketing at Kontron. “With its scalable performance, the Kontron CP308 is the ideal choice for numerous applications in various vertical markets that demand a rugged system layout and exceptional, power-optimized performance such as [the aerospace, defense](#), security and [industrial automation](#) markets as well as the rail and maritime sectors.”

### The feature set in brief

The Kontron CP308 3U [CompactPCI®](#) CPU board features up to 8 GB of energy efficient DDR3-SODIMM RAM with 800/1066 MHz memory bus and offers a rich feature set: a VGA port, up to seven USB 2.0 ports, two COM ports, two Gigabit Ethernet ports and four SATA interfaces, which are available either on onboard connectors, front I/O or rear I/O connectors. Additionally, one USB port is reserved on a dedicated onboard connector for mounting an appropriate USB NAND Flash module. To guarantee the highest data and system security, the chipset-integrated Trusted Platform Module (TPM) offers the required encryption, verification and storage capabilities for security-sensitive applications. The Kontron CP308-HDD offers even more features: The 8HP version of the Kontron CP308 extends the interfaces on the front panel by 1x DVI, 1x COM port, 1x PS2, 2x USB 2.0 and adds a reset button. For data storage, the Kontron CP308-HDD offers support for a 2.5” SATA hard drive and a USB NAND Flash module and offers an onboard Compact Flash socket. All three can be used simultaneously.

On the system side, the Kontron CP308 provides a PCI 32-bit, 33 MHz CompactPCI® interface supporting the Drone Mode feature. When installed in a system master slot, the CompactPCI® interface works in transparent mode, whereas the interface is isolated when installed in a peripheral slot. The Kontron CP308 supports the Wake on LAN (WoL) function and has a 32-Bit microcontroller onboard to take over system management tasks.

Samples of the Kontron CP308 3U CompactPCI® processor board are available now. Full production is scheduled for Q2, 2009. The Kontron CP308 runs with Linux, VxWorks, Microsoft Windows XP, Vista, XP embedded or Windows Server 2003. Highly integrated board support packages support all onboard hardware devices.

More on the Kontron CP308 CompactPCI® CPU board:

<http://www.kontron.com/products/boards+and+mezzanines/3u+compactpci/x86+processor/cp308.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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