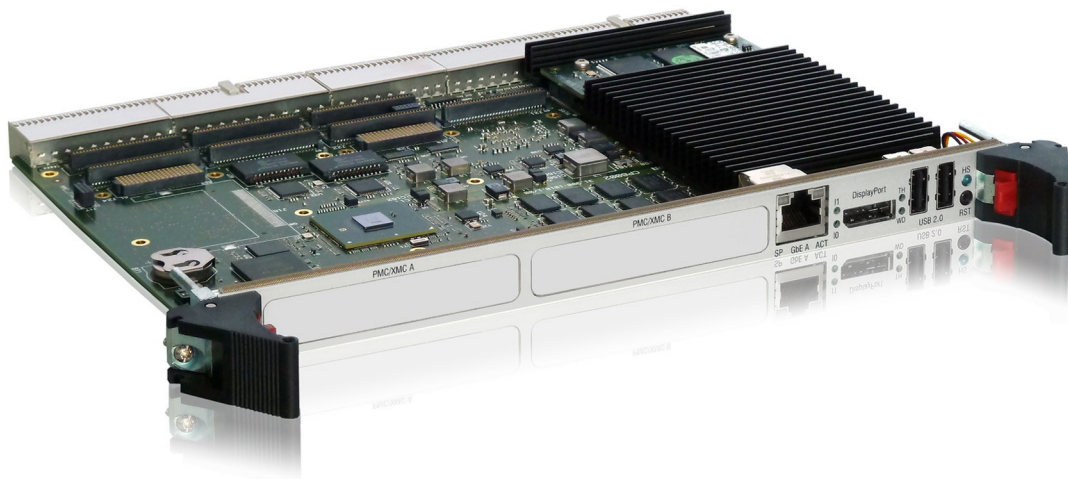


» For Immediate Release «

Kontron CompactPCI® processor board CP6002 brings latest Intel® Core™ i7 performance to 6U systems

Higher performance-per-watt ratio for 6U CompactPCI®



Eching, Germany, June 08, 2010 – Today Kontron introduced the [6U CompactPCI® processor board CP6002](#) based on the latest Intel® Core™ i7 mobile processor technology. It is designed to bring leading-edge performance with low power consumption and low heat dissipation to a broad range of applications in the [communications](#), [military](#), aerospace, [medical](#), [industrial and monitoring systems](#) markets.

With the 2.53 GHz Intel® Core™ i7-610E and the LV 2.0 GHz Intel® Core™ i7-620LE, the long term available Kontron CP6002 not only speeds up multiprocessing tasks via hyper-threading technology (HTT), but also processes single-threaded tasks much faster thanks to the new Intel® Turbo Boost technology. This allows for a clock speed of up to 3.33GHz without exceeding the defined thermal design power (TDP) and without the need to oversize the entire system for peak loads. On the memory side, up to 8 GB of soldered DDR3 1066 MHz ECC memory ensures data accuracy for demanding and safety-critical applications like radar, sonar, or imaging systems. In addition to the CompactFlash socket for rugged, industrial grade flash modules, up to 32 GB of NAND Flash (64 GB upon availability) are possible via SATA interface, which are able to hold complete operating systems or application code, substantially increasing overall system speed and availability.

“The highly-integrated Intel® Core™ i7 architecture on 6U CompactPCI® allows for overall performance increase of 30 to 60% and nearly three times the graphics performance compared to previous processor platforms,” says Reiner Grübmeier, Product Manager for 6U CompactPCI® at Kontron.

**Kontron 6U CompactPCI® CPU board CP6002
brings latest Intel® Core™ i7 performance
to CPCI systems**

For maximum application flexibility, the Kontron [CompactPCI®](#) processor board CP6002 comes with six Serial ATA interfaces with RAID support, one front and two rear high-resolution graphics interfaces (VGA/DP/HDMI) and up to two [PMC/XMC](#) slots, enabling more compact and cost-efficient system designs by omitting previously required add-ons such as [PMC carriers](#), graphics and/or RAID CPCI-boards. In addition, six USB 2.0 ports are available on the board, two on front I/O and four on rear I/O. Further interfaces include two COM ports, one RS-232 port implemented as an RJ-45 connector on the front panel and routed to rear I/O as well as one RS-422 port on the rear I/O.

The Kontron CP6002 is offered in three versions, with either one (CP6002-R1) or two XMCs/PMCs slots (CP6002-R1-MC and CP6002-R2-MC). The Kontron CP6002-R1 can further accommodate an onboard 2.5" SATA HDD/SSD and provides two Gigabit Ethernet ports, one VGA (CRT) port, one COM port and two USB ports on the front panel. The Kontron CP6002-R1-MC and CP6002-R2-MC provide one Gigabit Ethernet port, one DisplayPort (alternatively RS232) and two USB ports on the front panel. The Kontron CP6002-R1 and CP6002-R1-MC are designed for standard application environments in air-cooled environments, whereas the ruggedized Kontron CP6002-R2-MC is designed for high shock and vibration environments (as defined in VITA 47 EAC3/EAC6), an extended operating temperature range (-40° C to +70° C.), and provides support for two conduction-cooled XMCs/PMCs. The R3 version (available on project request) is fully conduction cooled and meets the VITA 47's ECC4 requirements.

The Kontron CP6002 supports a configurable 64-bit/66 MHz PCI or PCI-X, hot swap CompactPCI® interface. When installed in the system slot, the interface is enabled, and when installed in a peripheral slot, the board is isolated from the CompactPCI® bus. Safety and security features via a optional Trusted Platform Module (TPM) 1.2, two redundant firmware hubs (failover) and Intelligent Platform Management Interface (IPMI) are supported as well.

The Kontron [CompactPCI® processor board](#) CP6002 runs with VxWorks 6.8, Linux (RedHat), Microsoft Windows 7, Windows XP, XP embedded or Windows Server 2003 or 2008. Highly integrated support packages support all onboard hardware devices, and also specific features like hot swap ability, IPMI, power, and thermal management enabling effortless integration among scalable multi-CPU systems.

Samples of the Kontron CP6002 are available now. Full production is scheduled for Q3 2010.

Further information about the Kontron CompactPCI® processor board CP6002 is available at:

<http://www.kontron.com/products/boards+and+mezzanines/6u+compactpci/x86+processor/cp6002.html>

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

More about XMC / PMC: <http://www.kontron.com/products/boards+and+mezzanines/pmc++xmc/>

For more information on rugged COTS solutions, please visit: <http://www.kontron.com/about-kontron/custom-solutions/rugged-cots>

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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 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>

PR Online: <http://www.kontron.com/about-kontron/news-events/kontron+compactpci+processor+board+cp6002+brings+latest+intel+core+i7+performance+to+6u+systems.3989.html>

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