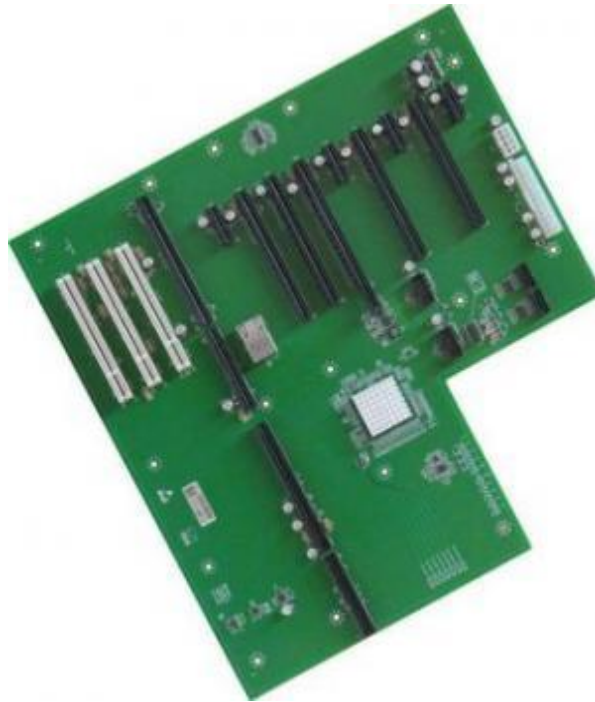


» For Immediate Release «

## **Kontron 4U Backplane xPB-13E9P3: PICMG® 1.3-compliant backplane for PCI Express Gen 2 system designs**

COTS backplane offers impressive bandwidth and configuration flexibility with 32 PCIe lanes and three PCI slots



**Eching, Germany, July 06, 2010** – The new Kontron 4U Backplane [xPB-13E9P3](#) for PICMG® 1.3-based system designs boasts comprehensive PCI and PCI Express Gen 2 support for full-height 4U systems. With double the PCIe lanes of any previous solution, 32 in total, the [PICMG® 1.3-compliant backplane](#) tackles bandwidth-intensive applications with its cost-effective and densely-packed design for use with standard PCIe and PCI extension cards.

In order to support any standard PCIe extension card, an integrated non-blocking switch doubles the 16 PCI Express lanes from the system host board (SHB) to the four PCIe x4 Gen 2 slots and the PEG slot on the backplane. The switch is configurable via software, allowing each of the x4 slots to be individually populated with x1, x2 or x4 I/O cards. The PCIe bandwidth can also be routed directly to dedicated ports without disturbing the CPU board. The three PCI slots of the Kontron xPB-13E9P3 allow OEMs to easily leverage existing PCI extension cards.

The Kontron 4U backplane xPB-13E9P3 offers a cost-efficient solution for applications with extreme bandwidth requirements. Designed for highest throughput (5.0 GT/s per PCI express lane) with the latest frame grabbers, graphics and network cards, the full-size backplane was developed for markets such as [medical](#), digital signage, [gaming](#) and [infotainment](#) applications as well as multi-monitor

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solutions for surveillance and industrial engineering. The PICMG® 1.3 backplane also provides ample resources for applications where multiple video cards are required, such as in test & measurement, digital mock-up and simulation. This also makes the new backplane the perfect host for a GPGPU system for cost-efficient high performance Embedded Computing Tasks (HPEC). All these applications benefit from the double value of the PICMG 1.3 specification which combines the cost efficiency of a motherboard-based solution with the high bandwidth of a complex and densely-packed serial switched backplane system design.

**The interfaces in brief**

The Kontron xPB-13E9P3 offers 1 x PEG (PCIe x16), 4 x PCIe x4 and 4 x PCIe x1 as well as the PICMG® 1.3 slot for the [SHB \(system host board\)](#). Connections for 4 x USB 2.0, 2 x SATA and 1 x LAN round out the interface offerings of the PICMG® 1.3 backplane.

The new Kontron 4U Backplane xPB-13E9P3 is now available.

More about the Kontron 4U Backplane xPB-13E9P3:

<http://emea.kontron.com/products/boards+and+mezzanines/slot+cpu++backplane/backplanes/xbp13e9p3.html>

More about PICMG 1.3 Slot CPU Boards and Backplanes:

<http://www.kontron.com/products/boards+and+mezzanines/slot+cpu++backplane/>

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**About Kontron**

Kontron, the global leader of embedded computing technology, 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, HMIs & 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>

Digital image (jpg) and text (PDF):

<http://www.kontron.com/about-kontron/news-events/kontron+4u+backplane+xbp13e9p3+picmg+13compliantbackplane+pci+express+gen+2+system+designs.4022.html>

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