

Kontron KISS PCI 759: Multi-core industrial servers for PICMG 1.0 based PCI/ISA applications

High processor performance does not necessarily mean PCIe

Eching, Germany, May 29, 2008 – Today, Kontron announced its latest range of 2U and 4U KISS industrial servers that bring Intel® Core™2 Duo processor performance to PICMG 1.0 based PCI/ISA applications. These long term available, ultra quiet (<35 dB) industrial servers are especially designed for applications that require high data processing performance without the need for high-speed PCI Express features.

Designed around the Intel® 945G chipset with 1066 MHz front side bus and Intel® ICH7 I/O controller hub, the Kontron KISS PCI-759 industrial servers in various rack mount heights (2U and 4U) offer scalable processor performance based on the Intel® LGA 755 socket up to the E6400 (2 x 2.16 GHz) Intel® Core™2 Duo processor. Support for up to 4 GB of DDR2 dual channel RAM boosts performance even further. With a TDP of only 65 Watts, the Intel® Core™2 Duo processor brings double the performance with power consumption similar to an Intel® Pentium® 4 processor. The Kontron KISS PCI759 servers are therefore the ideal choice for either upgrading existing applications or for implementing new, power-sensitive industrial PCI/ISA systems.

Thanks to the flexible design of the KISS server family and the backplane concept of the PICMG 1.x standard, the Kontron KISS PCI 759 servers can accommodate a large number and variety of PCI and/or ISA based extension boards. Even if a PCIe card is required at a later date, the upgrade from PICMG 1.0 to PICMG 1.3 is easy: simply change the backplane, use a PICMG 1.3 SHB, design in the new PCIe card and leave everything else as it is. This concept makes PICMG 1.x one of the most future proof standards since upgrades can be carried out without producing sunk costs for previous investments.

The Kontron KISS PCI759 industrial servers offer a full range of I/O interfaces for maximum application flexibility: up to 4 x 3Gb/s SATA II for fast hard drive access, 2 x GbE, 7 x USB 2.0, one parallel and two serial interfaces. Kontron also offers additional assemblies for LAN, WLAN and SCSI. The integrated Intel® Graphics Media Accelerator (Intel® GMA 950) supports VGA resolutions up to 2048x1536. There is also 24-bit LCDS via DVO that supports resolutions up to 1600x1200. Furthermore, an integrated onboard socket for a Compact Flash module makes it possible to build maintenance-free systems without rotating non-volatile storage. In addition, the temperature-controlled and ultra quiet fans are hot swappable for easier servicing. With a MTBF of 50,000 hours (~

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5.7 years continuous operation), the Kontron KISS servers offer extremely reliable and robust performance for high-availability systems.

The KISS systems come with either a desktop housing or a housing for mounting in a 19 inch cabinet. The lockable front panel offers IP5x protection. Designed for continuous operation, they are CE certified and UL suitable.

The high-availability Kontron KISS PCI 759 industrial servers support Linux, Windows Vista and Windows XP software packages. Additional operating systems are possible on a project basis. The Kontron KISS PCI 759 servers are available as preconfigured standard systems or can be customized as needed and delivered as tested and independently certified solutions.

For further information please visit: <http://www.kontron.com/KISS>

About Kontron

Kontron designs and manufactures standard-based and custom embedded and communications 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 and mezzanines, Computer-on-Modules, HMIs and displays, systems, and custom capabilities. Kontron is a Premier member of the Intel® Embedded and Communications Alliance. The company is a recent three-time VDC Platinum vendor for Embedded Computer Boards. Kontron is listed on the German TecDAX stock exchange under the symbol "KBC". For more information, please visit: www.kontron.com.

Digital images (JPG) and text (PDF): <http://emea.kontron.com/about-kontron/news-events/kontron+kiss+pci+759+multicore+industrial+servers+for+picmg+10+based+pciisa+applications.html>

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