

Kontron KISS 4U server with 775 embedded socket and desktop processors up to Intel® Core™2 Quad

4 processor cores in 4U



Eching, Germany, 17 March 2008 – Kontron extends its family of ultra quiet KISS industrial servers with a 4U version that has up to four 64-bit CPU cores.

The new long term available Kontron KISS 4U KT965 with an integrated embedded ATX motherboard from Kontron comes with the Intel® Q965 Express chipset and LGA 775 socket and offers Intel Embedded and Desktop performance up to the Intel Core™2 Quad processor.

With its impressive 64-bit multi-core performance and ultra quiet operation (<35 dB), the Kontron KISS 4U KT965 is not only predestined for data intensive applications such as those found in test and measurement or industrial and medical image processing, but is also the ideal server for control rooms and engineering offices. Thanks to the Intel multi-core technology, the Kontron KISS server offers the processing power to combine previously separate systems on a single platform. This not only saves hardware costs, but also increases system reliability. With Intel's virtualization technology, the Kontron KISS 4U enables resources to be used more efficiently and avoids multiplication effects for capacity reserves. As a high performance x86 system, the Kontron KISS 4U can also be used as a host system, thereby furthering the homogenization of IT infrastructure.

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The Kontron KISS 4U industrial server is based on the Intel Q965 chipset with up to 1066 MHz front side bus and the Intel ICH8 DO I/O controller hub. The Intel LGA 775 socket provides scalable processor performance from the Intel Core2 Duo E4300 Embedded and Intel Core2 Duo E6400 Embedded processors up to the Intel Core2 Quad Q6x00 processor. Performance is boosted even further by up to 8 Gigabytes of DDR2 Dual-Channel RAM. 1x PCI Express x16 (PEG) and 6 x PCI interfaces offer plenty of options for application specific expansions. In terms of standard data interfaces, the Kontron KISS 4U industrial server offers 2 x Gigabit Ethernet, 10 x USB 2.0 ports (2 on the front) and 1 x COM. Data storage media are connected via 6 x SATA 150/300 with onboard RAID 0/1/5/10 functionality and an ATA 100 interface. The integrated Intel GMA 3100 Graphics Media Accelerator supports resolutions of up to QXGA (2048 x 1536) via the VGA port. Interfaces for 7.1 HD-Audio and PS/2 ports for mouse and keyboard round off the list of interface features.

Three 5.25" and two 3.5" drive bays as well as a slimbay slot; all of which are accessible from the front and are shock resistant mounted, offer plenty of room for hard drives and expansion modules, such as the optional Kontron KISS Stor hard drive subsystem with RAID 0/1/5 and hot swap functionality. A further 3.5" bay is available inside. With a MTBF of 50,000 hours (approx. 5.7 years of continuous use) the extremely robust and shock resistant system ensures high availability and minimum maintenance. Moreover, the three temperature-controlled and ultra quiet fans are hot swappable for easier servicing.

The Kontron KISS system comes with either a desktop housing or a housing for mounting in a 19 inch cabinet. The lockable front panel offers IP20 protection. Designed for continuous operation, the Kontron KISS systems are CE certified and UL suitable.

The high-availability Kontron KISS-4U servers support Windows 2000, Windows XP, Windows 2003 Server and Vista and are available now direct from stock as standard systems or can be customized as needed and delivered as tested and independently certified solutions.

For more information, please visit <http://www.kontron.com/KISS-4U>

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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

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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.

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