

Kontron KISS 1U PCI-760: Ultra-slim 1U industrial servers now with Intel® quad-core processors

Bringing the power and density of data processing centers to industrial applications



Eching, Germany, November 05, 2008 – The Kontron Industrial Silent Server ([KISS](#)) family has a new, high-performance member that brings the density and processing power of data processing centers to industrial applications: the [Kontron KISS 1U PCI-760](#) with Intel® quad-core processors is one of the most compact, robust, quietest and fastest high-availability industrial servers for densely packed long-lifecycle applications.

The new Kontron KISS 1U PCI-760 [industrial server](#) packs scalable performance up to the Intel® Core™2 Quad processor Q9300 with 4 x 2.5 GHz as well as 8 Gigabytes of DDR2 dual-channel RAM into an industrial server with an installation height of just 44 mm. This makes the Kontron KISS 1U PCI-760 the perfect fit for densely packed real-time embedded multi-processing applications; such as industrial test and measurement with simultaneous data collection and evaluation; control and visualization of imaging technologies in medical and industrial applications; as well as for the broad field of simulation technology and applications that require parallel processing of several video and/or audio streams. Security applications suitable for the Kontron KISS 1U PCI-760 also require reliable, space-saving server cluster solutions for video surveillance with automatic image recognition/face

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recognition in facilities management, public areas and subway/railway stations as well as mission-critical solutions, such as railroad control centers.

In addition to outstanding performance, the Kontron KISS 1U PCI-760 industrial server comes with built-in Intel® Active Management Technology (Intel® AMT) 3.0 remote management engine that offers enhanced security and remote management for easier maintenance, higher system availability and, therefore, reduced total costs of ownership. Remotely carrying out tasks such as installing a new OS, or setting BIOS parameters without the need for additional remote management hardware, or an on-site presence is of particular benefit for applications with densely populated server racks where the individual servers are difficult to reach. When using the Kontron KISS 1U PCI-760 companies with centralized administration and maintenance teams can also take advantage of Intel's® Active Management Technology.

The Kontron KISS 1U PCI-760 industrial server offers a wide range of interfaces for flexible customization. For applications that need the dedicated processing power of high-end 3D GPUs, there is an optional PEG interface. The Kontron KISS 1U PCI-760 also offers an optional 1 x PCI Express x 4 slot, as well as 2 x PCI 32 Bit slots, 6 x USB 2.0, 2 x Gbit Ethernet, 1x VGA and 2 serial ports. In addition to its shock and vibration protected internal 3.5" HDD, the Kontron KISS-1U server has enough space to accommodate another 3.5" HDD or 2 x 2.5" HDDs, also shock and vibration protected. The optional [KISS Stor Slim RAID 1 sub-system](#) provides enhanced data safety via 2 x 2.5" HDDs in a single, hot swappable carrier. State-of-the-art system security is provided by Intel® Trusted Execution Technology and an on-board trusted platform module – TPM 1.2 – for software and data protection. The Kontron KISS 1U PCI-760 PSU with a controlled fan has optional 24 V DC and 48 V DC for direct connection to industrial power grids.

With a MTBF of 50,000 hours (approx. 5.7 years of continuous operation) the extremely robust and shock resistant Kontron KISS 1U PCI-760 industrial server systems ensure high availability and minimum maintenance and operate reliably in temperatures up to 45 degrees Celsius. Moreover, the temperature-controlled and ultra quiet fans are hot swappable for easier servicing. The Kontron KISS systems come with either a desktop housing or a housing for mounting in a 19 inch cabinet. [OEM custom designs](#) are also available upon request. The front panel, which is lockable, offers IP2x protection and optional IP5x. Designed for continuous operation, the KISS systems are CE certified and UL suitable.

The high-availability Kontron KISS 1U PCI-760 server supports Windows 2000, Windows XP, Windows 200x Server and Vista and is available as a preconfigured standard system or can be customized as needed and delivered as a tested and independently certified solution.

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The EMEA and APAC manufactured KISS 1U PCI-760 systems are available now. North America manufactured KISS 1U PCI-760 systems are expected to be available in Q1 09.

More information about the Kontron KISS 1U PCI-760:

<http://www.kontron.com/products/systems+and+platforms/industrial+pc++rackmount/1u/kiss+1u+pci760.html>

More information about Kontron KISS servers: <http://www.kontron.com/KISS>

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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 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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