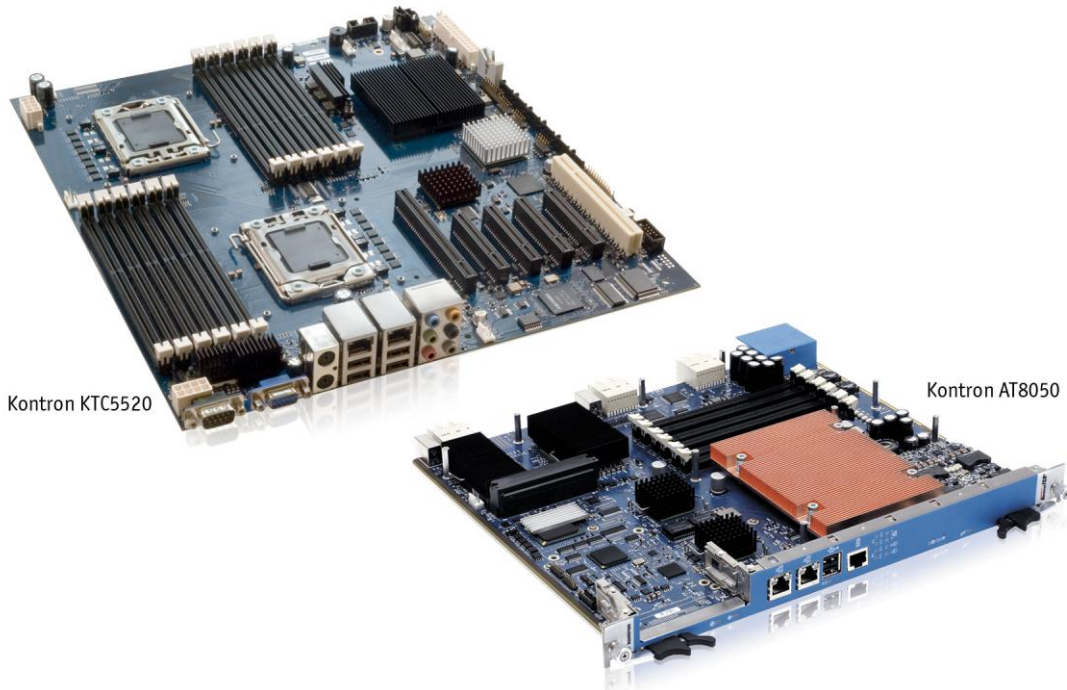


» For Immediate Release «

Kontron offers new six-core Intel® Xeon® processors on ATCA® node blade and EATX server board for highly threaded LTE, IMS, IPTV, and data center applications

Intel® Xeon® processor 5600 series becomes one of two CPU options for the Kontron AT8050 and KTC5520



Eching, Germany / Poway, CA, March 18, 2010 — Kontron today announced that both its existing Kontron [AdvancedTCA®](#) node blade [AT8050](#) and its Kontron [server board KTC5520](#) are available with the newly released Intel® Xeon® processor 5600 series. This provides TEM and network equipment providers a second feature-rich processor option for the two products that were originally designed with the Intel® Xeon® processor 5500 series.

Clients with much-needed performance upgrade requirements can now better design and deploy the right high performance systems exactly where they are needed across today's data-intensive 3G/4G and broadband networks.

The key feature differences with the Intel Xeon processor 5600 series compared to the 5500 series are: six cores instead of four; 12 threads versus 8; 32 nm technology compared to 45 nm; increased performance within the same thermal power envelope; new low power platform consumption with LVDDR3L; and maintains all the performance functionalities of the 5500 series plus a new hardware-based security technology called Advanced Encryption Standard - New Instructions (AES-NI).

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“Carriers and wireless operators want systems that can handle more data traffic without spending more on power,” explains Benoit Robert, Executive Director, product management at Kontron. “Intel superbly achieves this high performance - low power milestone with the Intel Xeon processor 5600 series. Its boost in performance with 12 threads per processor at 60W is a breakthrough for our equipment vendor clients to design and market the kind of systems providers are demanding to support their all-IP network deployments.”

Kontron AT8050 with Intel® Xeon® processor L5638

The Kontron [ATCA® node blade](#) AT8050 features a single socket for either one quad-core Intel® Xeon® processor L5518 or the six-core Intel® Xeon® processor L5638. Both options are compatible with the existing Intel® 5520 chipset, which supports up to 36 lanes of PCI Express 2.0 and directly assignable I/O for virtualization (VT-d), significantly accelerating I/O traffic and lowering processor use in both native and virtualized environments. The Kontron AT8050 achieves the best price versus performance for [ATCA-based systems](#) used in media server (IMS), 3G, and LTE Evolved Packet Core (EPC) networks.

Kontron Server Board KTC5520 with Intel® Xeon® processor E5645

Intended for high end, data center and cloud computing applications, the EATX SSI EEB-compliant server board Kontron KTC5520 is a dual-socket design that also supports both Intel® Xeon® processor series. Originally designed with the quad-core Intel® Xeon® 5500 series, the Kontron KTC5520 is available with two six-core Intel® Xeon® processors (L5638) at 80W per processor. Both versions provide extreme performance, high I/O bandwidth and exceptional reliability – backed by a 7-year life-cycle support program. It can also be fully managed remotely using an Integrated Management Processor (IMP) that integrates VGA/2D, BMC, and KVM/VM over IP to support real-time access with full control by keyboard, video monitor and mouse (KVM) and virtual media (VM) by a single local computer from anywhere, at any time.

About Intel® Advanced Encryption Standard - New Instructions (Intel® AES-NI)

This new Intel® AES security function enables fast and secure data encryption and decryption in AES-based communications cryptographic workloads, and offers a significant increase in performance compared to the current pure-software implementations.

Availability

Both the Kontron AT8050 and Kontron KTC5520 will have early samples available with the new Intel® Xeon® processor 5600 series in Q2, 2010.

For more information on the Kontron AdvancedTCA® node blade AT8050, please visit:

<http://www.kontron.com/products/boards+and+mezzanines/advancedtca/processor/at8050.html>

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For more information AdvancedTCA®, please visit: <http://www.kontron.com/atca>

For more information on the Kontron server board KTC5520, please visit:

<http://www.kontron.com/products/boards+and+mezzanines/server+board/ktc5520eatx.html>

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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, 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>

Contact Details

EMEA

Norbert Hauser
Kontron
Tel: +49 (8341) 803-0
norbert.hauser@kontron.com

Michael Hennen
SAMS Network
Tel: +49 (2405) 45267-20
michael.hennen@samsnetwork.com

Americas

Richard Pugnier
Kontron
Tel:+1 (858) 623-3006
richard.pugnier@us.kontron.com

Annette Keller
Keller Communications
Tel:+1 (949) 640-4811
annetekeller@sbcglobal.net

APAC

Richard Pugnier
Kontron
Tel:+1 (858) 623-3006
richard.pugnier@us.kontron.com

Michael Hennen
SAMS Network
Tel: +49 (2405) 45267-20
michael.hennen@samsnetwork.com

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