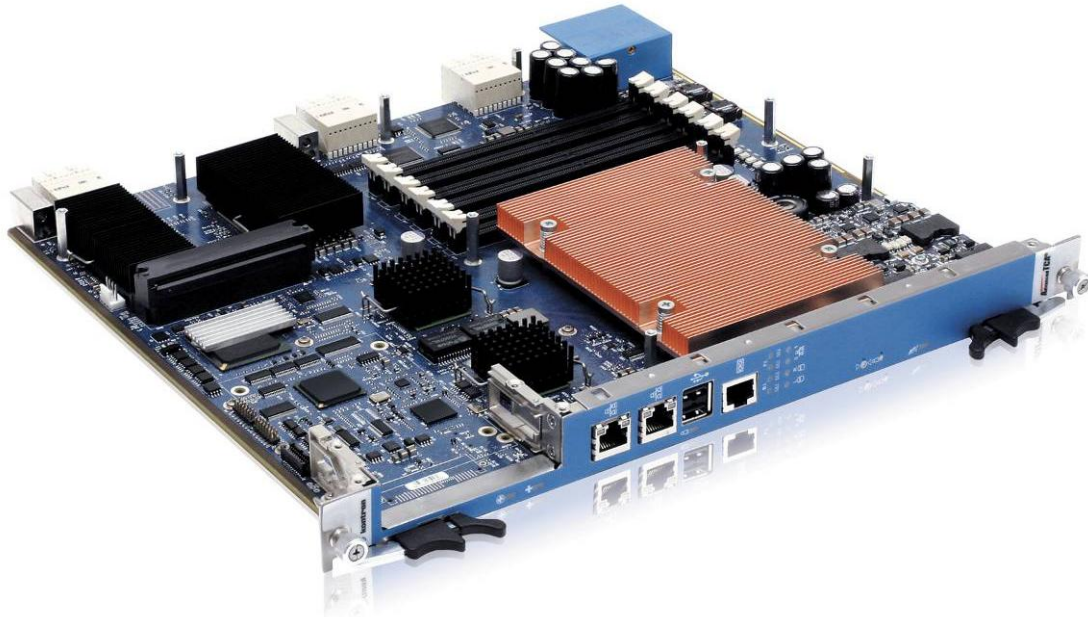


» For Immediate Release «

Kontron wins early TEM business with new ATCA® Quad-Core node blade featuring latest Intel® microarchitecture

*TEMs can upgrade existing systems with new quad core
performance and stay within 200W power envelope*



Poway, CA/Eching, Germany – March 30, 2009 – Kontron today officially released its latest [AdvancedTCA®](#) 10 Gigabit node blade – the [Kontron AT8050](#) – designed with the new and highly-anticipated Intel® Xeon® 5500 Platform with the latest 45nm quad-core processors, also released today by Intel®, which represents a new milestone in microarchitecture technology.

The culmination of this launch has already produced early design wins for Kontron and an exceptional level of interest from major telecom equipment manufacturers seeking new Intel® processor technology to fuel storage, security, and mobile and multimedia server network applications.

“Clearly a bright spot in today’s economy, COTS-based carrier grade open platform hardware such as AdvancedTCA® and [MicroTCA™](#) are opening up exciting new opportunities for TEMs to create and design new network infrastructure gear on a reusable, common platform,” said Benoit Robert, executive director, product management at Kontron. “This new Kontron blade is a very strong addition to our open modular platform portfolio and has already shown positive signs for unprecedented volume business.”

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Kontron AT8050 AdvancedTCA® blade – a sustainable competitive advantage for TEMs

In designing the Kontron AT8050 AdvancedTCA® blade, Kontron strove to provide clients the best possible options to ensure they could maintain a continual competitive edge with their common platform business model. Kontron chose to design with a single quad-core Intel® Xeon® processor L5518 with a 60W power envelope, as opposed to a dual CPU configuration. The benefits of this are that – clients can still make use of one available [AdvancedMC™](#) slot for further feature extensions; clients can maximize the amount of available memory at 24GB DDR3 Registered ECC VLP SDRAM and up to 48GB DDR3 once available; and, most importantly, clients can upgrade their existing node blades with the Kontron AT8050 without having to upgrade their chassis platforms, which they would have to do to be able to cool several dual-socket-designed quad-core node blades. The bottom line is the Kontron AT8050 provides the most performance and functionality without making sacrifices to power consumption.

Kontron quad-core ATCA® blade with latest Intel® microarchitecture innovation

The Intel® Xeon processor 5500 series, based on the latest Intel® microarchitecture includes an Integrated Memory Controller with DDR3 support and Intel® QuickPath Technology, Intel® Turbo Boost, Technology and Intel® Hyper-Threading Technology. These and other new microarchitecture innovations help increase performance by reducing memory bottlenecks, executing more instructions per clock - via improved caches for faster processing per core, and optimizing for specific workloads – by utilizing cache and Intel® Turbo Boost technologies. Moreover, there are up to 8 cores or 16 threads for simultaneous multi-threading, which makes this Intel® quad-core processor ideally built for virtualization configurations.

Kontron blade-level design details

Compliant to PICMG 3.1 Option 9, Option 2, the Kontron AT8050 features 10 + 10 Gigabit Ethernet on the Fabric Interface, plus two 10/100/1000 Mbps Ethernet on the Base Interface and two 10/100/1000 Mbps Ethernet via the Front Panel or RTM. Expansion features include one AdvancedMC™ mid-size slot supporting PCI Express x4, and SATA /SAS interfaces. The associated Intel® 5520 chipset, which supports up to 36 lanes of PCI Express* 2.0 and directly assignable I/O for virtualization (VT-d), offers significant new enhancements to accelerate I/O traffic and lower CPU utilization in both native and virtualized environments.

Standard with Kontron blades are full IPMI and supervisory features for remote control capability with power on-off, clean shutdown, warm reset/cold reset controls via any IPMI channels including LAN when the payload power is off. Also available is the Kontron RTM8050, a rear transition module built with a SAS controller to support a Hot Swappable SAS/SATA Hard Disk on the RTM and/or a SAS/SATA AMC module populated in the Kontron AT8050's one AMC slot.

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The Kontron AT8050 is available with Kontron pre-integrated AdvancedTCA® OM platforms in 2U, 5U, and 13U heights, which may be fully tested and integrated with Red Hat Enterprise Linux V.5.2, Wind River PNE Linux 2.0, and High Availability middleware from Enea to produce a 'TEM-ready' platform for accelerated system development.

Product Pricing and Availability

Kontron AT8050 10GbE Single Quad-Core Node Blade – RoHS compliant

Pricing: OEM pricing upon request

Availability: Now.

For more information on the Kontron AT8050, please visit

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

For more information on the Kontron AdvancedTCA® CPU-boards, please visit

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

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

For more information on AdvancedMC™ please visit <http://www.kontron.com/advancedmc>

For more information on MicroTCA™ please visit <http://www.kontron.com/microtca>

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About Kontron

Kontron 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 & displays, systems & platforms, and rugged & custom capabilities.

Kontron is a Premier member of the Intel® Embedded and Communications 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>

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