

Kontron Accelerates Market Lead with Expanded AdvancedTCA (ATCA) and AMC Product Mix

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Kontron first to market "Universal AMC Architecture" to provide Wireless and Telecom Equipment Manufacturers (TEMs) with unsurpassed application design versatility

LONG BEACH, CA-January 17, 2005-Kontron, a market leader in embedded computer technology, today strengthened its family of ATCA/AMC solutions with the launch at the Bus & Board Conference of two new products that dramatically increase the number of design options for Telecom Equipment Manufacturers (TEMs) building high performance, carrier grade network applications. New from Kontron are the AT8001, a PICMG 3.0/3.1 ATCA processor board with dual AMC support, and the AM4001, an Advanced Mezzanine Card (AMC) module featuring Intel® Pentium® M processing power, Gigabit Ethernet and PCI Express connectivity, and PICMG AMC.0/1/2/3 compliance.

Kontron recognizes that Universal AMC Architecture, the tight integration of ATCA and AMC technologies, is key to providing OEMs/TEMs exactly what they need, namely phenomenal processing power and maximum design options. The result is a more simplified design process that translates into fewer costs and an unprecedented rapid-go-to-market deployment.

"Supporting AMC throughout an ATCA solution is key to faster and more successful application designs for our top tier telecom clients," explains Benoit Robert, Kontron Executive Director, Product Development. "Quite simply, this approach dramatically increases the flexibility to design new, innovative network applications, and will be instrumental to achieving greater ATCA deployments in the communications and telecom environments. Already, the appeal of this Universal AMC Architecture approach has been very well received."

AT8001 - flexibility of dual AMC support

The Kontron AT8001 ATCA processor board significantly increases the design options for wireless, telecom applications with its support for two AMC module slots. Powered by a low voltage, high performance Intel® Xeon® processor up to 2.8 GHz, the AT8001 provides high interconnect performance, ideally suited to support any number of high throughput I/O communications modules.

The AT8001 feature-set includes dual Gigabit Ethernet and dual Fiber Channel on fabric interface, dual Gigabit Ethernet base interface, 8 GB of DDR-II 400 SDRAM, plus MontaVista Linux Carrier Grade Edition (CGE) and IPMI v1.5 support.

AM4001 - superior processing and flexible interconnect topologies

The Kontron AM4001 AMC module features the low power, high performance of an Intel Pentium M processor up to 2 GHz and the Intel E7320 chipset. Designed to support up to 4 GB DDR-II memory (PC400), the AM4001 is available in single width, full and half-height options, and offers dual Gigabit Ethernet, dual Serial ATA, and x4 PCI-Express interconnects in compliance with AMC.0/1/2/3 specifications.

When combined with the AT8001, the AM4001 handles the dual responsibility of managing both high throughput I/O applications as well as off-loading any surplus processing demands from the AT8001 processor board. The result is a unique combination of high functionality and processor muscle on only one single slot 8U board, which can also be used to populate the Kontron ATCA-compliant 12U chassis, the XL8000, with up to 14 board slots available on a dual star backplane.

Faster-Go-To-Market strategy

Kontron shortens the application design process by ensuring that each ATCA / AMC building block is fully interoperable and designed to be both the right technology and the right architecture in mind to suit any development needs.

Best of Breed Carrier Grade Software

Pre-integrated and application ready right out-of-the-box, Kontron ATCA/AMC solutions are customizable and also feature best-in-class carrier-grade software such as MontaVista® Linux® Carrier Grade Edition (CGE), and hot-standby Solid CarrierGrade® data manager from Solid Information Technology. This complements Kontron's existing offering of Intelligent Platform Management Interface (IPMI v1.5) firmware, Hardware Platform Interface (HPI) support, and operating system and applications software.

Price: OEM pricing upon request
Availability: End of Q1, 2005

Editor's note: A datasheet for these products in PDF format are available at:

http://www.kontron.com/techlib/datasheets/AT8001_1.pdf

<http://www.kontron.com/techlib/datasheets/AM4001.pdf>

About Kontron: A leading global embedded computer technology company, Kontron supplies a diversified customer base of OEMs, system integrators and application providers in the communications, automation, transportation, medical, military, aerospace, and test and measurement markets. The company helps its customers to considerably reduce their time-to-market and to gain a competitive advantage with products including high-performance open computer platforms

and systems, single board computers, man-machine interfaces and mobile computers. Kontron employs more than 1,500 people worldwide and has manufacturing facilities in Europe, North America and Asia Pacific. The company is listed on the German TecDAX 30 stock exchange under the symbol "KBC". Kontron is a member of the Intel Communications Alliance. For additional information on Kontron, please visit: www.kontron.com.

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