

## Kontron AM4101 AdvancedMC™ processor module delivers 1.5 GHz dual core PowerPC® performance combined with unsurpassed communication capabilities

*The Kontron AM4101 expands Kontron's portfolio of leading-edge AdvancedMC™ processor modules*



**Eching, Germany, November 19, 2008** – Kontron announces its new Kontron AM4101 [Advanced Mezzanine Card](#) (AMC/AdvancedMC™) representing Kontron's strength in developing leading-edge processor boards for use in multiple markets that require multi-core performance and versatile communication capabilities. Based on the 1.5 GHz dual core Freescale PowerPC® MPC8641D, the Kontron AM4101 delivers up to 2.3 MIPS/MHz computing performance and the highest Ethernet bandwidth without breaking the power budgets of modular [AdvancedTCA](#)® carriers or highly-integrated, redundant [MicroTCA](#)™ multi-processing systems.

With the integrated AltiVec 128-Bit Vector Processing Unit the Kontron AM4101 AdvancedMC™ is expanding the system design capability in telecom applications and non-telecom markets such as medical, industrial imaging and military/aerospace. The Kontron AM4101 AdvancedMC™ supports four Gigabit Ethernet interfaces - two GbE ports are routed to the front panel and two are available at the AdvancedMC™ connector (AMC.2). Processing intense applications such as encryption, multimedia encoding and decoding, image and video processing as well in DSLAM (Digital

**Kontron AM4101 AdvancedMC™ processor module delivers 1.5 GHz dual core PowerPC® performance combined with unsurpassed communication capabilities**

Subscriber Line Access Multiplexer), speech recognition and base station will benefit from the vector processing unit which works to minimize cache pollution while processing massive amounts of data.

The Kontron AM4101 AdvancedMC™ port mapping is aligned with the telecom specific SCOPE Alliance AMC Gap analysis and has dedicated ports for PCI Express at AMC ports 4 - 7 and serialRapidIO at AMC ports 8 – 11. This implementation allows the use and re-use of the AdvancedMC™ module in AdvancedTCA® and MicroTCA™ platforms for telecom-specific applications.

The Kontron AM4101 AdvancedMC™ includes up to 2GB of soldered DDR2-SDRAM, up to 2GB of soldered NAND Flash and EEPROM for user and configuration data. The Kontron AM4101 is fully hot-swappable, which makes it possible to replace the module without shutting down the AdvancedTCA® carrier board or the MicroTCA™ system. A dedicated Module Management Controller (MMC) is used to manage the board and support Intelligent Platform Management Interface (IPMI) commands and PICMG® (AdvancedTCA®/AdvancedMC™) command extensions, which enable operators to monitor the state of the AdvancedMC™ module in the system.

The Kontron AM4101 AdvancedMC™ processor module will be available in Mid-Size and Full-Size variants. Samples are available on request and full production will start in December 2008. Board Support Packages (BSPs) are available for Linux and VxWorks.

More information about the Kontron AM4101 AdvancedMC™:

<http://www.kontron.com/products/boards+and+mezzanines/advancedmc/processor/am4101.html>

###

**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](http://www.kontron.com).

**Kontron AM4101 AdvancedMC™ processor module  
delivers 1.5 GHz dual core PowerPC® performance  
combined with unsurpassed communication capabilities**

For more information:

**Reader contact EMEA:**

Kontron AG  
Oskar-von-Miller-Strasse 1  
85386 Eching/Munich  
Germany  
Tel: +49 (8165) 77-777  
Fax: +49 (8165) 77-279  
<http://www.kontron.com>  
[sales@kontron.com](mailto:sales@kontron.com)

**Editor company contact EMEA:**

Norbert Hauser  
Kontron AG  
Oskar-von-Miller-Strasse 1  
85386 Eching/Munich  
Germany  
Tel: +49 (8341) 803-0  
Fax: +49 (8341) 803-499  
[norbert.hauser@kontron.com](mailto:norbert.hauser@kontron.com)

**Editor agency contact EMEA:**

Michael Hennen  
SAMS Network  
Zechenstraße 29  
52146 Wuersele  
Germany  
Tel: +49 (2405) 45267-20  
Fax: +49 (2405) 45267-21  
[michael.hennen@sams-network.com](mailto:michael.hennen@sams-network.com)

**Reader contact Americas:**

Kontron America Inc.  
14118 Stowe Dr  
Poway, CA 92064-7147  
United States of America  
Tel: +1 (888)-294-4558  
Fax: +1 (858) 677-0898  
[sales@us.kontron.com](mailto:sales@us.kontron.com)  
[www.kontron.com](http://www.kontron.com)

**Editor company contact**

**Americas:**  
Richard Pugnier  
Kontron America Inc.  
14118 Stowe Dr  
Poway, CA 92064-7147  
United States of America  
Tel:+1 (858) 623-3006  
Fax:+1 (858) 677-0615  
[richard.pugnier@us.kontron.com](mailto:richard.pugnier@us.kontron.com)

**Editor agency contact Americas:**

Annette Keller  
Keller Communications  
United States of America  
Tel:+1 (949) 640-4811  
[annetekeller@sbcglobal.net](mailto:annetekeller@sbcglobal.net)

All rights reserved.

Kontron is a trademark or registered trademark of Kontron AG. All other brand or product names are trademarks or registered trademarks or copyrights by their respective owners and are recognized.

PICMG, AdvancedTCA, AdvancedMC and MicroTCA are trademarks of the PCI Industrial Computers Manufacturers Group.

All data is for information purposes only and not guaranteed for legal purposes. Subject to change without notice. Information in this press release has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies.