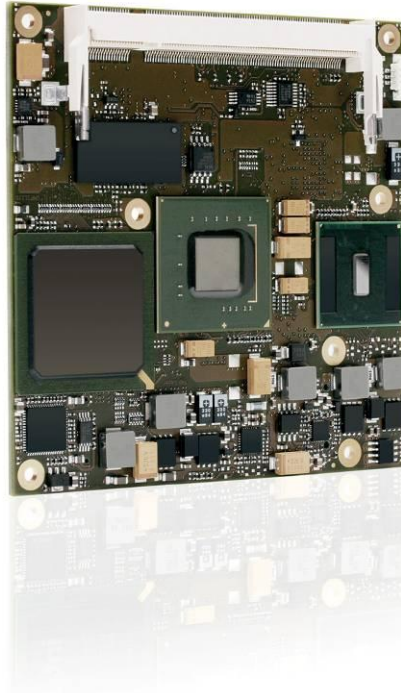


» For Immediate Release «

Kontron microETXexpress[®] Computer-on-Modules now feature Intel[®] Atom[™] processor N270 and S5 Eco state

For compact mini devices with an extensive feature set and powerful graphic performance



Eching/Deutschland, 26 May 2009 – Kontron's new [microETXexpress[®]-DC](#) Computer-on-Module offers a host of features coupled with superior graphic performance for the development of mini devices. The energy efficient Kontron microETXexpress[®]-DC is equipped with the Intel[®] Atom[™] processor N270 (1.6GHz) with Hyperthreading, Intel[®] 945GSE and Intel[®] ICH7M chipset as well as Kontron's new S5 Eco State.

With its great 3-D graphic power and dual independent display support via SVDO, LVDS, VGA and TV-out, the new [Computer-on-Module](#) is - especially with regards to its low power consumption - ideal for a wide range of embedded applications, extending from embedded netbooks, to in-vehicle and solar-operated devices right up to classic, stationary embedded systems. Kontron's microETXexpress[®]-DC Computer-on-Module is also the ideal choice for graphics and interface demanding applications in market segments such as: [medical equipment](#), [test and measurement](#), [maintenance](#), [transportation](#), HMI's for the energy and automation sector as well as [kiosk and digital signage solutions for POS/POI](#).

The Kontron microETXexpress[®]-DC Computer-on-Module, with its compact dimensions of just 95 mm x 95 mm, is the youngest member of the compact COM Express[™] compatible class of COMs. Due to

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the fact that it is 100 percent compatible to the type 2 pin-out of the COM Express™ specification in regards to pin out and position of the connectors, for which recently an official [PICMG carrierboard design guide](#) was published, it offers design security and scalability of the highest level plus long-term availability. Additionally, the module excels with its wide voltage input range of 8.5V to 18V so that cost-intensive DC/DC converters on the carrierboard are superfluous. Another first Kontron premier with the Kontron microETXexpress®-DC is the new S5 Eco state. This is a highly-efficient, power-off state which can replace the S5 mode. In the S5 Eco state the module's power consumption is reduced to less than 1 mA, which equals a reduction by at least factor 200 compared to regular S5 state.

The compact Kontron microETXexpress®-DC Computer-on-Module with Intel® Atom™ processor N270 with Hyperthreading and 533 MHz FSB supports up to 2 GByte of socketed DDR2 533 RAM. SVDO signals for VGA and DVI are transmitted by the integrated Intel® Graphics Media Accelerator (GMA 950) over the PCI Express Graphics (PEG) pin-out and the module is further equipped with TV-out. Thanks to its 18-bit LVDS dual-channel graphics with up to 224 MB of graphic memory, Kontron's microETXexpress®-DC features dual independent display support with a digital resolution of 1.600 x 1.200 pixels (UXGA) and 2.048 x 1536 pixels (QXGA) via CRT.

Within its compact dimensions, the Kontron microETXexpress®-DC module boasts a comprehensive feature set and provides via the COM Express™ type 2 connector 1 x Gigabit Ethernet, 2 x SerialATA, 1 x PATA, 8x USB 2.0 and 3 x PCI-Express x1 Lanes and 1x PCI 2.3, 32 bit / 33 MHz. An optional SSD Flash onboard connected via PATA allows for rugged designs and easy system integration without rotating non-volatile memory. Furthermore, the new Kontron microETXexpress®-DC Computer-on-Module features exceptional vibration and shock resistance according to IEC 60068-2-6. Intel® High-Definition audio, an integrated TPM 1.2 for highest software and data security, WakeOnLAN, JRC support, ACPI, Fast I²C, LPC along with 2 stage Watchdog, RTC, and JIDA round off the feature set.

The Kontron microETXexpress®-DC Computer-on-Module supports Linux, VxWorks and Windows Vista®, as well as Windows® XP, XP embedded and CE. The versatile OS supports the position of the Kontron microETXexpress®-DC as a universal solution for a diversified range of application areas.

Availability

Early samples of the Kontron microETXexpress®-DC Computer-on-Module are available now. Series production is planned for September 2009

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For more information on the Kontron microETXexpress®-DC Computer-on-Module please visit:

<http://www.kontron.com/products/computeronmodules/com+express/microetxexpress/microetxexpressdc.html>

More information about COM Express™ Computer-on-Modules:

<http://www.kontron.com/ETXexpress>

Whitepaper about microETXexpress®:

http://www.kontron.com/downloads/white_papers/microETXexpress_whitepaper.pdf

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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's & 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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