

» For Immediate Release «

Kontron welcomes the 8th vendor, IBASE, to support the credit card-sized nanoETXexpress Computer-on-Modules form factor

Consistently growing support makes nanoETXexpress the de facto standard for COM Express™ compatible ultra small and low power designs.

Eching/Nuremberg, Germany, March 2, 2010 –At Embedded World in Nuremberg, Germany, Kontron announces that the ultra small [nanoETXexpress](#) (84 mm x 55 mm) [Computer-on-Modules](#) form factor, which Kontron originally developed, is now also supported by IBASE technology, thus underlining its ever growing support and broad global acceptance. IBASE is now the 8th vendor to officially follow the open-standard nanoETXexpress Computer-on-Module form factor.

The nanoETXexpress form factor follows the COM Express™ specification 100 percent with respect to connector location and the Type 1 pin-out definition. This the open-standard form factor offers the highest investment security for the next generation of ultra small mobile designs based, for example, on the latest Intel® Atom™ Processor technology.

“We support the nanoETXexpress form factor because it perfectly meets our customers’ demands for ever smaller and more energy-efficient COTS components for ultra low power carrier board designs. Since it remains fully pin and signal compatible to the PICMG® COM Express™ Type 1 connector, nanoETXexpress integrates seamlessly into our existing COM Express™ portfolio, which is now growing in the low-power small-form-factor segment with this form factor. Moreover, broad global support makes nanoETXexpress a safe investment for our customers”, states Steven Lin, Senior Product Manager of IBASE.

“The COM Express™ compatible approach for miniaturization offers one technology concept from Small Form Factor to Multi Core based projects. We welcome IBASE on board as the next leading vendor who officially supports the nanoETXexpress form factor,” says Josef Behammer, Director of Marketing of Kontron’s Embedded Modules Division. “Due to the fact that nearly all major Computer-on-Module vendors now support the nanoETXexpress specifications, we can once again say that we have created a de facto standard for ultra-small low power devices. In addition, due to this tremendous global support and customer acceptance, the incorporation of the “Ultra” form factor into the PICMG® COM Express™ specification comes yet another step closer. Certification will establish a comprehensive specification that guarantees OEMs the highest degree of reliability and long-term availability to minimize design risks”, explains Behammer.

IBASE Technology supports the credit card sized nanoETXexpress Computer-on-Modules form factor

PICMG® certification

The PICMG® COM Express™ COM.0 specification currently incorporates the “basic” and “extended” form factors. Kontron is heading an initiative to incorporate the nanoETXexpress (84 mm x 55 mm) and slightly larger [microETXexpress](#) (95 x 95mm) form factor into the COM Express™ specification. Upon successful acceptance, these may be known as COM Express™ “Ultra” and COM Express™ “Compact,” respectively.

The nanoETXexpress form factor was derived from the PICMG COM Express™ specification guidelines and follows the specification 100 percent with respect to connector placement and pin-out definition. The only differences are the size of the form factor and the location of additional mounting holes. This enables scalability with COM Express™ Computer-on-Modules of different sizes. More important for nanoETXexpress customers, however, is the high reliability and widespread know-how for the development of designs that follow COM Express™ as well as a universally recognized standard that allows customers (according the Pareto Principle) to meet 80 percent of all market requirements with just one major COM form factor specification. Other suppliers of embedded computer technology are encouraged to develop Computer-on-Modules that accord with this specification.

Additional benefits for the nanoETXexpress website

The nanoETXexpress website (<http://www.nanoetxexpress.org>), which offers the latest nanoETXexpress specifications free of charge as well as design guidelines for carrier boards, has recently received a facelift. It now also provides a press review section featuring the press’s response to the latest nanoETXexpress developments as well as a listing of solution providers, which is especially interesting for OEM customers looking for services related to carrier board and system designs based on nanoETXexpress Computer-on-Modules.

For further information on nanoETXexpress, please visit <http://www.nanoetxexpress.org>

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About IBASE Technology

Founded in 2000, IBASE Technology (NASDAQ: 8050) is an ISO 9001 and ISO 13485 certified company that specializes in the design and manufacturing of industrial PC products. IBASE's R&D team is composed of talented hardware and software engineers - 50% with over 10 years and 45% with 5 to 10 years of experience in their respective fields. Current product offerings from IBASE include various single board computers, Mini-ITX boards, industrial motherboards, Disk-Size SBC, ETX CPU modules, embedded systems, network appliance and digital surveillance systems for different applications in the gaming, entertainment, automation, medical, military, network and security markets. IBASE also provides OEM/ODM services tailoring products to customers' requirements. For more information, please visit www.ibase.com.tw.

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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, HMIs & 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>

Digital image (jpg) and text (PDF):

<http://www.kontron.com/about-kontron/news-events/kontron+welcomes+the+8th+vendor+ibase+to+support+the+credit+cardsized+nanoetxexpress+computeronmodules+form+factor.3823.html>

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