

## **Diamond Systems is now a Kontron ETX<sup>®</sup> Certified Design Partner**

*Computer-on-Module solutions for I/O intensive small form factor applications*

**Eching, Germany, July 2, 2008** – Kontron and Diamond Systems have entered a strategic partnership under Kontron's ETX<sup>®</sup> Certified Design Partner program that bundles Kontron's highly scalable ETX Computer-on-Modules with Diamond Systems' small form factor boards for I/O intensive data acquisition applications.

With this agreement, Diamond Systems becomes the tenth global member and the fifth North American member of Kontron's constantly expanding network of ETX<sup>®</sup> Certified Design Partners. The ETX<sup>®</sup> Certified Design Partner Program offers OEMs comprehensive certified carrier board design services for modular embedded computing platforms based on the ETX and COM Express<sup>™</sup> Computer-on-Module standards.

As a Kontron ETX<sup>®</sup> Certified Design Partner, Diamond Systems will deliver off-the-shelf and customized carrier boards for embedded applications that require state-of-the-art analog and digital I/O technology and extensive serial communications. Diamond Systems will supply these boards with one of the wide range of highly scalable Kontron ETX<sup>®</sup> Computer-on-Modules to provide system OEMs with complete single board solutions that exactly meet the budget, energy consumption and performance requirements of their individual data acquisition applications. OEMs benefit by receiving fully integrated, highly scalable and cost-effective carrier board solutions with Computer-on-Modules from a single source. This eliminates the need to manage multiple suppliers and ensures fast application development and evaluation for quicker time-to-market.

Diamond Systems' EPIC-based ETX<sup>®</sup> carrier board, for example, includes a wide range of standard embedded computer interfaces including 6 serial interfaces plus the industry's widest set of I/O features: 32 analog inputs, 4 analog outputs, 24 digital I/Os, 8 opto-isolated digital inputs, 8 opto-isolated digital outputs, 2 counter/timers for A/D sample rate control, event counting/timing and programmable interrupts. A PC/104-plus expansion slot for fast implementation of OEMs' individual I/O expansions rounds off the feature set. Custom specific carrier boards are available upon request. The Universal Driver software supports C programming under Windows and Linux.

"OEMs specializing in I/O intensive applications receive a number of benefits from this bundle, such as auto-calibration for highly accurate data acquisition under all conditions", explains Matthias Huber, Director of Kontron America's Embedded Modules Division. "Temperature- and time-dependent measurement drifts can be eliminated since the EPIC-based ETX carrier board calibrates as often as needed in just a few seconds to ensure accurate readings in all environments."

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“The comprehensive Kontron family of ETX<sup>®</sup> Computer-on-Modules offers highly scalable and low-power CPU performance up to the latest multi-core processors and chipsets from all major suppliers. Since all interfaces on all the latest Kontron ETX<sup>®</sup> COMs have the same API structure, it is very easy to interchange modules, enabling us to simply select the right COM according to our customers’ needs. System upgrades are also easy. This is exactly what we required to add even more value to our best-in-class data acquisition I/O features. We can now offer our customers not only industry-leading I/O features, but also superior COM-based solutions and increased configuration flexibility”, adds Jonathan Millar, President of Diamond Systems.

More information about the Kontron ETX<sup>®</sup> Certified Design Partner Program, including the full list of certified partners, is available at: <http://www.etx-cdp.com>.

More information about Kontron ETX<sup>®</sup> Computer-on-Modules is available at:  
<http://www.kontron.com/ETX>

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**About Diamond Systems**

Founded in 1989, Diamond Systems was an early adopter of PC/104 technology and today is one of the leading worldwide suppliers of PC/104 I/O modules and highly integrated single board computers combining CPU and data acquisition on a single board. Diamond Systems’ extensive I/O product line includes A/D, D/A, digital I/O, serial communications, multifunction networking, and power supply modules. Diamond Systems also offers a full range of I/O intensive single board computer solutions including SBCs based on Computer-on-Modules (COMs) with carrier boards. Diamond Systems will customize a board or system to meet the needs of a particular application. Privately held, Diamond Systems is a global design, manufacturing, and support organization with U.S. headquarters in Mountain View, California, in the heart of Silicon Valley, and European headquarters located in Oberglatt, Switzerland. For more information visit [www.diamondsystems.com](http://www.diamondsystems.com) or [www.diamondsystems.ch](http://www.diamondsystems.ch). For telephone inquiries, call 1-800-36-PC104 (North America only) or +41 44 850 7002.

**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<sup>®</sup> 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).

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