

» For Immediate Release «

Kontron evaluation kit for compact, COM Express™ compatible Computer-on-Modules

Speeds up the development of compact designs with
Intel® Atom™ series processors



Eching, Germany, July 1st, 2009 – The [Kontron microETXexpress® evaluation kit](#) offers developers a fast introduction into the compact class of [COM Express™](#) compatible Computer-on-Modules. At the heart of Kontron's new Starterkit are the [Kontron microETXexpress®-SP](#) or –DC Computer-on-Modules (95 x 95 mm) based on the Intel® Atom™ series processors and the Kontron ETXexpress® miniBaseboard. Starterkits are also available for evaluation with other microETXexpress® modules.

The Kontron microETXexpress® Starterkit is an all-round development platform for a wide range of embedded applications that require high-performance and processing density on a compact footprint with low-power consumption. It is ideal for evaluating applications that are to be operated on small mobile devices which are battery-powered or even solar-powered and small embedded devices which have a compact format while offering a high level of features. Developers working on applications in areas such as multimedia, test and measurement, [medical](#), [automation](#), [energy](#), [telecommunications](#) or [POS / POI](#) can start developing on the target platform right away, due to the fact that the Kontron microETXexpress® Starterkit comes with the complete embedded hardware including the cables, a very small Power Supply Unit called picoPSU combined with a 12V desktop power supply and an active cooler.

**Kontron evaluation kit
for the compact
COM Express™ class**

At the core of the Kontron microETXexpress® Starterkit is the [Kontron ETXexpress® miniBaseboard](#) (170 x 155 mm). Thanks to its low profile height of approx. 44 mm - including the Computer-on-Module and the optional heat spreader - it can easily be integrated into embedded applications. Despite its compact size, the carrier board offers a rich feature set and all state-of-the-art interfaces: PCI Express x1, PCI, Serial ATA, PATA, CF card slot, Gigabit Ethernet, USB 2.0, COM pin headers, DVI and VGA, 2x LVDS, audio interfaces and a feature connector, which enables a direct connection from, for example, TV or video cards to the graphic card without encumbering the CPU or the data bus. The HD Audio codec and bringing down 4 video connectors from a COM Express™ Pin-out Type 2 module is outstanding and underlines the microETXexpress module's multimedia features.

The Kontron microETXexpress® Starterkit is modular and can be ordered either with or without any [Kontron microETXexpress®](#) Computer-on-Module. The Starterkit will soon be available for Kontron microETXexpress®-SP Computer-on-Modules with 1.1 GHz or 1.6 GHz Intel® Atom™ Z5xx series processors and the Intel® System Controller Hub US15W, and for the new Kontron microETXexpress®-DC Computer-on-Module with 1.6 GHz Intel® Atom™ N270 processors. Kontron's new highly-efficient power-off state S5 Eco that is supported on the Kontron microETXexpress®-DC works with the Starterkit. Also available are microETXexpress® Computer-on-Modules with 45 nm Intel® Core™2 Duo processors (Kontron microETXexpress® PC) and Intel® Pentium® M and Intel® Celeron® M processors (Kontron microETXexpress®-PM).

Further starter kits with Intel® Atom™ processors for solutions based on the credit card-sized Kontron nanoETXexpress-SP Computer-on-Module or PCI/ISA based Kontron ETX®-DC Computer-on-Modules are also available in both the [nanoETXexpress-HMI](#) and the [ETX® starter kit](#). Whichever modular kit - that can be ordered with or without any corresponding Kontron Computer-on-Module - is employed, OEM customers will profit from the long-term availability and the robust, function-tested and future-proof design.

For more information on the microETXexpress® evaluation kit, please visit:

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

More information on the Kontron microETXexpress®-SP Computer-on-Module:

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

More information on the Kontron microETXexpress®-DC Computer-on-Module:

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

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More information on microETXexpress® Computer-on-Modules:

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

More information on Computer-on-Modules: <http://www.kontron.com/COM>

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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>

PR online: <http://www.kontron.com/about-kontron/news-events/kontron+evaluation+kit+for+the+compact+com+express+class.3553.html>

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