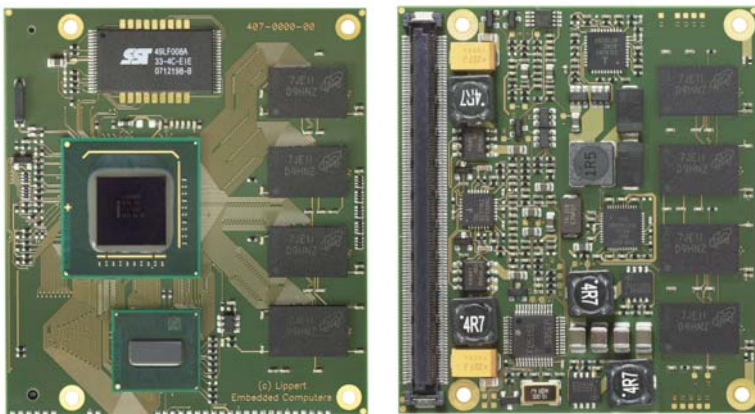


Press Release

Mannheim, April 2, 2008

CoreExpress™-ECO – tiny and lightweight computer modules with the Intel® Atom™ processor

Intel's latest chips form the heart of the new CoreExpress™-ECO embedded PC module. Unlike the established standard form factors for Computer on Modules this new, tiny format allows the design of ruggedized mobile devices.



LiPPERT Embedded Computers introduces the CoreExpress™-ECO featuring a low power Intel® Atom™ processor, built in 45 nanometer chip technology. The CoreExpress™-ECO is an uncompromising design that abandons all legacy interfaces and comes with digital buses only. 1 GB soldered RAM round the feature list off. Due to its small size and very light weight, (65 mm x 58 mm, 28 grams) it renders itself naturally to mobile and ruggedized applications. POS, POI, automotive, medical and mobile devices, all profit from the modules' outstanding features.

"The advanced technology of the Intel® Atom™ processor allows us to design embedded solutions that were previously impossible to realize", says Peter Lippert, founder and CEO of LiPPERT Embedded Computers. "We expect it to change the nature of the embedded PC market".

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"LiPPERT has developed a compact new module, using the Intel® Atom™ processor to create a solution for embedded devices, ", says Jonathan Luse, director of marketing, Low Power Embedded Products Division, Intel.

The Intel® Atom™ processor uses an all-new micro-architecture, especially well suited for small, low power devices. Yet, it is compatible to the Intel® Core™ 2 Duo instruction set, thus retaining the popular X86 programming model. Multiple threads give markedly improved responsiveness for better user experience.

The CoreExpress™ format is devised to take advantage of such new processors and chipsets. The small thermal design power of these chips allows very dense designs requiring only little cooling efforts. In fact, the CoreExpress™ specification cleverly combines the always necessary EMC protection with a sufficient cooling solution.

CoreExpress™ modules are processor-independent entire plug-in processing units and come complete with memory, graphics and communication interfaces. A tiny 220 pin connector brings these interface signals to an application specific carrier board. Because all of the CPU complexity is handled on the CoreExpress™ module, the carrier board can be designed using a low-complexity printed circuit board that can be built very economically. This results in short time-to-market and very attractive pricing for the whole problem solution.

A starter kit is available to ease the system designer's task. It contains a CoreExpress™-ECO module on an EPIC carrier board. Further included is a "best practices" manual with details about how the CoreExpress™-ECO is designed into an application specific carrier board. All necessary cables and full documentation are also part of the kit. LiPPERT plans to support a choice of operating systems, notably Windows, QNX and Linux.

This text and accompanying pictures can be downloaded from <http://www.lippert-at.com/index.php?id=press>

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